Digitized by the Internet Archive
in 2017 with funding from
University of Illinois Urbana-Champaign Alternates

https://archive.org/details/mcgeestableshand00mcge

McGEE'S TABLES

A HAND-BOOK OF

EXCAVATION AND EMBANKMENT TABLES

A Simple, rapid and accurate method for obtaining quantities, in cubic yards, for 100 foot sections, and containing descriptive data for their use

By GUY C. McGEE

First Edition, First Thousand

G. C. McGEE
CALDWELL, IDAHO
1910

Copyright, 1910
BY GUY C. McGEE

Printed by
The News Printery
Caldwell, Ida

M17m

EXPLANATION OF TABLES.

These tables are different from the ordinary Excavation and Embankment tables, in that the yardage can be found for any actual "three-level" cross-section, while tables now in use are for level cuttings only.

These are designed with the assumption that the difference between the double center-cut and the sum of the end cuts is not greater than one (1) foot.

When there is a greater difference than one foot it is because of the very rough and broken character of the country and more than three readings are generally taken. And in such cases the end acres may be figured and Table III used to obtain the yardage.

Taking the actual cross-section notes of a 4-foot ditch with side slopes 2 to 1, we have:

Sta.	Left	Center	Right
0	+0.7	+1.2	+1.8
	3.4		5.6
1	+2.2	+2.6	+3.8
	6.4		9.6
2	+1.8	+2.1	+2.7
	5.6		7.4
3	+1.0	+1.7	+2.3
	4.0		6.6

249340

When the double center cut is greater than the sum of the end cuts, the difference is a minus (−) quantity, and when the sum of the end cuts is greater, the difference is a plus (+) quantity.

In the first section mentally add the end cuts, the sum is 2.5, and mentally double the center cut, which is 2.4, then the difference is .1, and as the sum of the end cuts is greater than the double center cut, the .1 would be on the plus side of the table.

In Table II, the quantity to look up is 1.2 in the C. C. (center cut) column and .1 on the + side. The yardage found is 14.63 cu. yds.

Looking these quantities up and putting in tabular form we have:

Sta.	Tabular Reference	Cu. Yds. From Table	Cu. Yds. in Section
0	1.2 + .1	14.63	
1	2.6 + .8	49.6	64.23 cu. yds.
2	2.1 + .3	33.67	83.27 cu. yds.
3	1.7 − .1	22.8	56.47 cu. yds.
		Total	203.97 cu. yds.

As each quantity is to be used with each preceeding and each succeeding quantity an addition is necessary, as for the yardage between stations 1 and 2 we have 49.6 + 33.67 = 83.27 cu. yds.

In Table III we have the yardage for the sum of end areas in 100 foot sections from 0 to 1000 square feet in area.

For example: If the sum of end areas is 651 sq. ft., look up in the table 65.1 and move the decimal point one place to the right for the yardage.

The quantities, in cubic yards, for end areas greater than 1000 sq. ft. can be found from this table by adding.

Thus: If the sum of the end areas is 1256, look up 100 and also 25.6, add the quantities corresponding to these amounts in the table, and move the decimal point one place to the right.

BASE 2 FEET

Side Slopes 1½ : 1

I.

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	.40	.29	.19								
.2	.85	.73	.61	.49	.37						
.3	1.36	1.23	1.09	.96	.82	.69	.56				
.4	1.93	1.78	1.63	1.48	1.33	1.18	1.04	.89	.74		
.5	2.55	2.38	2.22	2.06	1.90	1.74	1.57	1.41	1.25	1.09	.93
.6	3.22	3.05	2.87	2.69	2.52	2.34	2.17	1.99	1.81	1.64	1.46
.7	3.95	3.76	3.57.	3.38	3.19	3.00	2.81	2.62	2.43	2.24	2.05
.8	4.74	4.53	4.33	4.12	3.92	3.72	3.52	3.31	3.11	2.90	2.70
.9	5.58	5.36	5.15	4.93	4.71	4.49	4.28	4.06	3.84	3.62	3.41
1.0	6.48	6.25	6.02	5.79	5.56	5.32	5.09	4.86	4.63	4.39	4.17
.1	7.44	7.19	6.94	6.69	6.45	6.21	5.96	5.72	5.47	5.23	4.98
.2	8.44	8.18	7.93	7.67	7.41	7.15	6.89	6.63	6.37	6.11	5.85
.3	9.51	9.24	8.96	8.69	8.42	8.14	7.87	7.59	7.33	7.05	6.78
.4	10.64	10.35	10.06	9.78	9.49	9.20	8.92	8.63	8.34	8.05	7.77
.5	11.81	11.51	11.21	10.91	10.61	10.31	10.01	9.71	9.41	9.11	8.80
.6	13.05	12.73	12.42	12.10	11.79	11.47	11.16	10.84	10.53	10.21	9.90
.7	14.33	14.00	13.66	13.34	13.02	12.69	12.36	12.03	11.70	11.37	11.05
.8	15.67	15.32	14.98	14.64	14.30	13.95	13.61	13.27	12.93	12.58	12.24
.9	17.07	16.72	16.36	16.00	15.65	15.29	14.94	14.58	14.22	13.86	13.51
2.0	18.52	18.15	17.78	17.41	17.04	16.67	16.30	15.93	15.56	15.19	14.82
.1	20.04	19.65	19.27	18.88	18.50	18.12	17.73	17.35	16.96	16.58	16.19
.2	21.60	21.20	20.81	20.41	20.01	19.61	19.21	18.81	18.42	18.02	17.62
.3	23.22	22.81	22.40	21.98	21.57	21.16	20.75	20.35	19.93	19.51	19.10
.4	24.89	24.47	24.05	23.62	23.20	22.77	22.34	21.92	21.49	21.06	20.64
.5	26.63	26.19	25.75	25.31	24.87	24.43	23.99	23.55	23.11	22.67	22.23
.6	28.42	27.96	27.51	27.06	26.60	26.15	25.69	25.24	24.79	24.33	23.88
.7	30.26	29.79	29.32	28.86	28.39	27.92	27.45	26.99	26.52	26.05	25.58
.8	32.25	31.77	31.28	30.80	30.32	29.84	29.36	28.88	28.39	27.91	27.43
.9	34.11	33.62	33.12	32.62	32.13	31.63	31.14	30.64	30.15	29.65	29.16
3.0	36.12	35.61	35.10	34.59	34.08	33.57	33.06	32.56	32.05	31.54	31.03
.1	38.19	37.66	37.14	36.62	36.09	35.57	35.05	34.52	34.00	33.47	32.95
.2	40.31	39.77	39.23	38.69	38.16	37.62	37.08	36.55	36.01	35.47	34.94
.3	42.48	41.93	41.38	40.83	40.28	39.73	39.17	38.62	38.07	37.52	36.97
.4	44.71	44.15	43.58	43.02	42.45	41.89	41.32	40.76	40.19	39.63	39.06
.5	47.00	46.42	45.84	45.26	44.68	44.11	43.53	42.95	42.37	41.79	41.21
.6	49.34	48.75	48.16	47.56	46.97	46.38	45.79	45.19	44.60	44.01	43.41
.7	51.74	51.13	50.53	49.92	49.31	48.71	48.10	47.50	46.89	46.28	45.67
.8	54.19	53.57	52.95	52.33	51.71	51.09	50.47	49.85	49.23	48.61	47.99
.9	56.70	56.07	55.44	54.80	54.17	53.53	52.90	52.26	51.63	51.00	50.36

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	.40	.50	.61	.72	.82	.93.	1.04	1.14	1.25	1.36	1.46
.2	.85	.97	1.09	1.21	1.33	1.45	1.57	1.69	1.82	1.94	2.06
.3	1.36	1.50	1.63	1.76	1.90	2.03	2.17	2.31	2.45	2.58	2.71
.4	1.93	2.07	2.22	2.37	2.52	2.67	2.82	2.96	3.11	3.26	3.41
.5	2.55	2.71	2.87	3.03	3.19	3.36	3.52	3.68	3.84	4.01	4.17
.6	3.22	3.40	3.57	3.75	3.93	4.09	4.27	4.44	4.62	4.80	4.97
.7	3.95	4.14	4.33	4.52	4.71	4.90	5.09	5.28	5.47	5.66	5.85
.8	4.74	4.94	5.15	5.35	5.56	5.76	5.97	6.16	6.37	6.57	6.79
.9	5.58	5.80	6.02	6.24	6.45	6.67	6.89	7.11	7.32	7.54	7.77
1.0	6.48	6.71	6.94	7.18	7.41	7.64	7.87	8.10	8.33	8.56	8.79
.1	7.44	7.68	7.93	8.17	8.42	8.66	8.91	9.15	9.39	9.63	9.89
.2	8.44	8.70	8.96	9.22	9.48	9.74	10.00	10.26	10.53	10.79	11.04
.3	9.51	9.78	10.06	10.33	10.60	10.88	11.15	11.42	11.69	11.97	12.24
.4	10.64	10.83	11.11	11.39	11.69	11.97	12.26	12.55	12.84	13.12	13.40
.5	11.81	12.12	12.42	12.72	13.02	13.32	13.62	13.92	14.22	14.52	14.82
.6	13.05	13.36	13.68	13.99	14.31	14.62	14.94	15.24	15.56	15.87	16.19
.7	14.33	14.66	14.99	15.32	15.65	15.98	16.21	16.53	16.86	17.19	17.52
.8	15.67	16.01	16.35	16.70	17.04	17.38	17.72	18.07	18.41	18.75	19.09
.9	17.07	17.43	17.79	18.14	18.50	18.86	19.21	19.57	19.93	20.28	20.64
2.0	18.52	18.89	19.26	19.63	20.00	20.37	20.74	21.11	21.48	21.85	22.22
.1	20.04	20.42	20.80	21.19	21.57	21.96	22.34	22.73	23.11	23.49	23.88
.2	21.60	22.00	22.40	22.80	23.19	23.59	23.90	24.39	24.79	25.19	25.58
.3	23.22	23.63	24.05	24.46	24.87	25.28	25.69	26.11	26.52	26.93	27.34
.4	24.89	25.32	25.75	26.18	26.60	27.03	27.45	27.88	28.31	28.73	29.16
.5	26.63	27.07	27.51	27.95	28.39	28.83	29.27	29.71	30.15	30.59	31.03
.6	28.42	28.87	29.32	29.78	30.23	30.67	31.14	31.59	32.05	32.50	32.95
.7	30.26	30.73	31.19	31.66	32.12	32.60	33.06	33.53	34.00	34.47	34.93
.8	32.25	32.73	33.21	33.69	34.17	34.65	35.13	35.61	36.09	36.57	37.05
.9	34.11	34.61	35.10	35.61	36.10	36.59	37.09	37.58	38.08	38.58	39.08
3.0	36.12	36.63	37.14	37.65	38.16	38.67	39.18	39.69	40.19	40.70	41.21
.1	38.19	38.71	39.23	39.75	40.28	40.80	41.32	41.85	42.37	42.89	43.42
.2	40.31	40.84	41.38	41.92	42.45	42.99	43.53	44.07	44.60	45.14	45.68
.3	42.48	43.03	43.58	44.13	44.69	45.24	45.79	46.34	46.89	47.44	47.99
.4	44.71	45.27	45.84	46.40	46.97	47.54	48.10	48.68	49.24	49.81	50.37
.5	47.00	47.58	48.16	48.74	49.32	49.89	50.47	51.05	51.63	52.21	52.79
.6	49.34	49.94	50.53	51.12	51.71	52.31	52.90	53.49	54.08	54.68	55.27
.7	51.74	52.35	52.95	53.56	54.16	54.77	55.38	55.99	56.59	57.20	57.71
.8	54.19	54.81	54.44	56.06	56.68	57.30	57.92	58.54	59.16	59.78	60.40
.9	56.70	57.34	57.97	58.61	59.24	59.87	60.51	61.14	61.78	62.41	63.05

BASE 4 FEET

Side Slopes 1½ : 1

— +

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
0.1	.77	.57	.37									0.1	.77	.97	1.17	1.37	1.56	1.76	1.96	2.16	2.36	2.56	2.76
.2	1.59	1.38	1.17	.95	.74							.2	1.59	1.81	2.02	2.23	2.44	2.66	2.87	3.08	3.30	3.51	3.72
.3	2.47	2.25	2.02	1.79	1.56	1.34	1.11					.3	2.47	2.70	2.93	3.15	3.38	3.61	3.83	4.06	4.29	4.51	4.74
.4	3.41	3.17	2.93	2.68	2.44	2.20	1.96	1.72	1.48			.4	3.41	3.65	3.89	4.13	4.37	4.61	4.85	5.00	5.33	5.58	5.82
.5	4.40	4.14	3.89	3.63	3.38	3.13	2.87	2.62	2.37	2.11	1.86	.5	4.40	4.65	4.91	5.16	5.42	5.67	5.92	6.18	6.43	6.69	6.94
.6	5.44	5.18	4.91	4.64	4.37	4.10	3.84	3.57	3.30	3.03	2.76	.6	5.44	5.71	5.89	6.25	6.52	6.79	7.05	7.32	7.59	7.86	8.13
.7	6.55	6.26	5.98	5.70	5.41	5.13	4.85	4.56	4.28	4.00	3.72	.7	6.55	6.83	7.11	7.39	7.68	7.96	8.24	8.53	8.81	9.09	9.38
.8	7.70	7.41	7.11	6.81	6.52	6.22	5.92	5.62	5.33	5.03	4.73	.8	7.70	8.00	8.30	8.59	8.89	9.19	9.48	9.78	10.08	10.37	10.67
.9	8.92	8.61	8.30	7.99	7.68	7.37	7.06	6.75	6.44	6.13	5.82	.9	8.92	9.23	9.54	9.85	10.16	10.47	10.78	11.09	11.40	11.71	12.02
1.0	10.19	9.86	9.53	9.21	8.89	8.57	8.24	7.92	7.59	7.27	6.95	1.0	10.19	10.51	10.83	11.16	11.48	11.81	12.13	12.45	12.78	13.10	13.43
.1	11.51	11.17	10.83	10.50	10.16	9.82	9.48	9.14	8.81	8.47	8.13	.1	11.51	11.85	12.19	12.52	12.86	13.20	13.54	13.88	14.21	14.55	14.89
.2	12.89	12.54	12.18	11.83	11.48	11.13	10.78	10.42	10.07	9.72	9.37	.2	12.89	13.24	13.59	13.94	14.30	14.65	15.00	15.35	15.70	16.06	16.41
.3	14.32	13.96	13.59	13.23	12.86	12.49	12.13	11.76	11.40	11.03	10.66	.3	14.32	14.69	15.06	15.42	15.79	16.15	16.52	16.89	17.25	17.62	17.98
.4	15.81	15.43	15.05	14.67	14.29	13.91	13.53	13.15	12.77	12.39	12.01	.4	15.81	16.19	16.57	16.95	17.33	17.71	18.09	18.47	18.85	19.23	19.61
.5	17.36	16.97	16.58	16.18	15.79	15.40	15.00	14.61	14.22	13.82	13.43	.5	17.36	17.75	18.15	18.54	18.93	19.33	19.72	20.11	20.51	20.90	21.29
.6	18.96	18.56	18.15	17.74	17.34	16.93	16.52	16.11	15.71	15.30	14.89	.6	18.96	19.37	19.78	20.19	20.59	21.00	21.41	21.81	22.22	22.63	23.03
.7	20.62	20.20	19.78	19.36	18.94	18.52	18.09	17.67	17.25	16.83	16.41	.7	20.62	21.04	21.46	21.88	22.31	22.73	23.15	23.57	23.99	24.41	24.83
.8	22.33	21.90	21.46	21.03	20.59	20.16	19.72	19.29	18.85	18.42	17.98	.8	22.33	22.77	23.20	23.64	24.07	24.51	24.94	25.38	25.81	26.25	26.68
.9	24.10	23.65	23.20	22.75	22.31	21.86	21.41	20.96	20.51	20.06	19.61	.9	24.10	24.55	25.00	25.45	25.90	26.35	26.80	27.25	27.69	28.14	28.59
2.0	25.93	25.46	25.00	24.54	24.07	23.61	23.15	22.68	22.22	21.76	21.30	2.0	25.93	26.39	26.85	27.31	27.78	28.24	28.70	29.17	29.63	30.09	30.56
.1	27.81	27.33	26.85	26.37	25.90	25.42	24.94	24.47	23.99	23.51	23.04	.1	27.81	28.28	28.76	29.24	29.71	30.19	30.67	31.14	31.62	32.10	32.58
.2	29.74	29.25	28.76	28.38	27.88	27.39	26.89	26.40	25.91	25.42	24.93	.2	29.74	30.23	30.72	31.21	31.70	32.19	32.69	33.18	33.67	34.16	34.65
.3	31.73	31.23	30.72	30.22	29.71	29.21	28.70	28.20	27.69	27.19	26.68	.3	31.73	32.24	32.74	33.25	33.75	34.26	34.76	35.27	35.77	36.28	36.78
.4	33.78	33.26	32.74	32.22	31.70	31.18	30.66	30.14	29.63	29.11	28.59	.4	33.78	34.30	34.81	35.33	35.85	36.37	36.89	37.41	37.92	38.44	38.96
.5	35.88	35.35	34.82	34.27	33.74	33.21	32.68	32.15	31.61	31.08	30.55	.5	35.88	36.41	36.94	37.48	38.01	38.54	39.07	39.60	40.14	40.67	41.20
.6	38.04	37.49	36.95	36.40	35.85	35.31	34.76	34.22	33.67	33.12	32.58	.6	38.04	38.58	39.13	39.68	40.22	40.77	41.31	41.86	42.41	42.95	43.50
.7	40.25	39.69	39.13	38.57	38.01	37.45	36.89	36.33	35.77	35.21	34.65	.7	40.25	40.81	41.37	41.93	42.49	43.05	43.61	44.17	44.73	45.29	45.85
.8	42.52	41.94	41.37	40.80	40.22	39.65	39.07	38.50	37.93	37.35	36.78	.8	42.52	43.09	43.67	44.24	44.81	45.39	45.96	46.54	47.11	47.68	48.26
.9	44.84	44.25	43.67	43.08	42.49	41.90	41.31	40.73	40.14	39.55	38.96	.9	44.84	45.43	46.02	46.61	47.19	47.78	48.36	48.95	49.54	50.12	50.71

BASE 4 FEET

Side Slopes 1½ : 1

— +

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
3.0	47.22	46.62	46.02	45.42	44.81	44.21	43.61	43.01	42.41	41.80	41.20	**3.0**	47.22	47.82	48.43	49.03	49.63	50.23	50.83	51.44	52.04	52.64	53.24
.1	49.66	49.04	48.43	47.81	47.20	46.58	45.96	45.35	44.73	44.11	43.50	.1	49.66	50.27	50.89	51.51	52.12	52.74	53.35	53.97	54.59	55.20	55.82
.2	52.15	51.52	50.89	50.26	49.63	49.00	48.37	47.75	47.12	46.49	45.86	.2	52.15	52.78	58.41	54.04	54.67	55.30	55.92	56.55	57.18	57.81	58.44
.3	54.69	54.05	53.41	52.77	52.12	51.48	50.84	50.19	49.55	48.91	48.26	.3	54.69	55.34	55.98	56.63	57.28	57.92	58.56	59.21	59.85	60.49	61.14
.4	57.30	56.64	55.98	55.33	54.67	54.01	53.35	52.70	52.04	51.38	50.73	.4	57.30	57.95	58.61	59.27	59.92	60.58	61.24	61.90	62.55	63.21	63.87
.5	59.95	59.28	58.61	57.94	57.27	56.60	55.93	55.26	54.59	53.91	53.24	.5	59.95	60.63	61.30	61.97	62.64	63.31	63.98	64.65	65.32	65.99	66.66
.6	62.67	61.98	61.30	60.61	59.93	59.24	58.56	57.87	57.19	56.50	55.82	.6	62.67	63.35	64.04	64.72	65.41	66.09	66.78	67.46	68.15	68.83	69.52
.7	65.44	64.74	64.04	63.34	62.64	61.94	61.24	60.54	59.84	59.14	58.45	.7	65.44	66.13	66.83	67.53	68.23	68.93	69.63	70.33	71.03	71.73	72.43
.8	68.26	67.55	66.83	66.12	65.41	64.69	63.98	63.27	62.56	61.84	61.13	.8	68.26	68.97	69.69	70.40	71.11	71.82	72.54	73.25	73.96	74.68	75.39
.9	71.14	70.41	69.68	68.96	68.23	67.50	66.78	66.05	65.32	64.60	63.87	.9	71.14	71.87	72.59	73.32	74.05	74.77	75.50	76.23	76.95	77.68	78.41
4.0	74.07	73.33	72.59	71.85	71.11	70.37	69.63	68.89	68.15	67.41	66.66	**4.0**	74.07	74.81	75.56	76.30	77.04	77.78	78.52	79.26	80.00	80.74	81.48
.1	77.07	76.31	75.56	74.80	74.05	73.30	72.54	71.79	71.03	70.28	69.53	.1	77.07	77.82	78.57	79.33	80.08	80.84	81.59	82.34	83.10	83.85	84.61
.2	80.11	79.34	78.58	77.81	77.04	76.27	75.50	74.74	73.97	73.20	72.43	.2	80.11	80.88	81.65	82.42	83.18	83.95	84.72	85.49	86.26	87.02	87.79
.3	83.21	82.43	81.65	80.86	80.08	79.30	78.51	77.73	76.95	76.17	75.38	.3	83.21	84.00	84.78	85.56	86.34	87.13	87.91	88.69	89.48	90.26	91.04
.4	86.37	85.57	84.78	83.98	83.19	82.39	81.59	80.80	80.00	79.21	78.41	.4	86.37	87.17	87.96	88.76	89.56	90.35	91.15	91.94	92.74	93.54	94.33
.5	89.58	88.77	87.96	87.15	86.34	85.53	84.72	83.91	83.10	82.29	81.48	.5	89.58	90.39	91.20	92.01	92.82	93.63	94.44	95.25	96.06	96.87	97.68
.6	92.85	92.03	91.20	90.38	89.56	88.73	87.91	87.08	86.26	85.44	84.61	.6	92.85	93.68	94.50	95.32	96.15	96.97	97.80	98.62	99.44	100.3	101.1
.7	96.17	95.34	94.50	93.66	92.82	91.98	91.14	90.30	89.46	88.62	87.79	.7	96.17	97.01	97.85	98.69	99.53	100.4	101.2	102.1	102.9	103.7	104.6
.8	99.56	98.70	97.85	97.00	96.15	95.30	94.44	93.59	92.74	91.89	91.04	.8	99.56	100.4	101.3	102.1	103.0	103.8	104.7	105.5	106.4	107.2	108.1
.9	103.0	102.1	101.3	100.4	99.52	98.66	97.79	96.93	96.06	95.20	94.33	.9	103.0	103.9	104.7	105.6	106.5	107.3	108.2	109.1	109.9	110.8	111.7
5.0	106.5	105.6	104.7	103.8	103.0	102.1	101.2	100.3	99.44	98.56	97.68	**5.0**	106.5	107.4	108.2	109.1	110.0	110.9	111.8	112.6	113.5	114.4	115.3
.1	110.0	109.1	108.2	107.3	106.5	105.6	104.7	103.8	102.9	102.0	101.1	.1	110.0	110.9	111.8	112.7	113.6	114.5	115.4	116.3	117.2	118.1	119.0
.2	113.6	112.7	111.8	110.9	110.0	109.1	108.2	107.3	106.4	105.5	104.6	.2	113.6	114.5	115.4	116.4	117.3	118.2	119.1	120.0	120.9	121.8	122.7
.3	117.3	116.4	115.5	114.5	113.6	112.7	111.8	110.8	109.9	109.0	108.1	.3	117.3	118.2	119.1	120.1	121.0	121.9	122.8	123.7	124.7	125.6	126.5
.4	121.0	120.1	119.1	118.2	117.3	116.3	115.4	114.5	113.5	112.6	111.7	.4	121.0	121.9	122.9	123.8	124.7	125.7	126.6	127.6	128.5	129.4	130.4
.5	124.8	123.8	122.9	121.9	121.0	120.0	119.1	118.1	117.2	116.2	115.3	.5	124.8	125.7	126.7	127.6	128.6	129.5	130.5	131.4	132.4	133.3	134.3
.6	128.6	127.6	126.7	125.7	124.7	123.8	122.8	121.9	120.9	119.9	119.0	.6	128.6	129.6	130.5	131.5	132.4	133.4	134.4	135.3	136.3	137.3	138.2
.7	132.5	131.5	130.5	129.5	128.6	127.6	126.6	125.6	124.7	123.7	122.7	.7	132.5	133.5	134.4	135.4	136.4	137.4	138.3	139.3	140.3	141.3	142.2
.8	136.4	135.4	134.4	133.4	132.4	131.5	130.5	129.5	128.5	127.5	126.5	.8	136.4	137.4	138.4	139.4	140.4	141.4	142.4	143.3	144.3	145.3	146.3
.9	140.4	139.4	138.4	137.4	136.4	135.4	134.4	133.4	132.4	131.4	130.4	.9	140.4	141.4	142.4	143.4	144.4	145.4	146.4	147.4	148.4	149.4	150.5

BASE 6 FEET

Side Slopes 1½ : 1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	1.14	0.94	0.74								
.2	2.33	2.00	1.72	1.42	1.11						
.3	3.58	3.26	2.95	2.63	2.31	1.99	1.67				
.4	4.89	4.56	4.22	3.89	3.55	3.22	2.89	2.55	2.22		
.5	6.25	5.90	5.56	5.21	4.86	4.52	4.17	3.82	3.47	3.13	2.78
.6	7.67	7.31	6.94	6.58	6.22	5.86	5.50	5.14	4.78	4.42	4.06
.7	9.14	8.76	8.39	8.01	7.64	7.26	6.89	6.51	6.14	5.76	5.39
.8	10.67	10.28	9.89	9.50	9.11	8.72	8.33	7.94	7.55	7.17	6.78
.9	12.25	11.85	11.44	11.04	10.64	10.23	9.83	9.43	9.03	8.62	8.22
1.0	13.89	13.47	13.06	12.64	12.22	11.80	11.39	10.97	10.55	10.14	9.72
.1	15.58	15.15	14.72	14.29	13.86	13.43	13.00	12.57	12.13	11.70	11.27
.2	17.33	16.89	16.45	16.00	15.56	15.11	14.67	14.23	13.78	13.34	12.89
.3	19.14	18.68	18.22	17.76	17.31	16.85	16.39	15.93	15.47	15.02	14.56
.4	21.00	20.53	20.06	19.58	19.11	18.64	18.17	17.70	17.22	16.75	16.38
.5	22.92	22.43	21.95	21.46	20.97	20.49	20.00	19.52	19.03	18.54	18.06
.6	24.89	24.39	23.89	23.39	22.89	22.39	21.89	21.39	20.89	20.39	19.89
.7	26.92	26.40	25.89	25.37	24.86	24.35	23.83	23.32	22.80	22.29	21.78
.8	29.00	28.47	27.95	27.42	26.89	26.37	25.84	25.31	24.78	24.26	23.73
.9	31.14	30.60	30.06	29.52	28.98	28.43	27.89	27.35	26.81	26.27	25.73
2.0	33.33	32.78	32.22	31.67	31.11	30.55	29.99	29.44	28.88	28.33	27.77
.1	35.58	35.01	34.44	33.87	33.30	32.73	32.16	31.59	31.02	30.45	29.88
.2	37.89	37.31	36.72	36.14	35.57	34.98	34.40	33.82	33.24	32.65	32.07
.3	40.25	39.65	39.06	38.46	37.86	37.27	36.67	36.07	35.47	34.88	34.28
.4	42.67	42.06	41.45	40.83	40.22	39.61	39.00	38.39	37.78	37.17	36.56
.5	45.14	44.51	43.89	43.26	42.64	42.01	41.39	40.76	40.14	39.51	38.89
.6	47.67	47.03	46.39	45.75	45.11	44.47	43.83	43.19	42.55	41.92	41.28
.7	50.25	49.60	48.95	48.29	47.64	46.99	46.34	45.69	45.03	44.38	43.73
.8	52.89	52.22	51.55	50.89	50.22	49.55	48.89	48.22	47.55	46.89	46.22
.9	55.58	54.90	54.22	53.54	52.86	52.18	51.50	50.82	50.14	49.45	48.77

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	1.14	1.43	1.72	2.01	2.31	2.60	2.89	3.18	3.47	3.77	4.06
.2	2.33	2.64	2.94	3.25	3.56	3.86	4.17	4.47	4.78	5.09	5.39
.3	3.58	3.90	4.22	4.54	4.86	5.17	5.50	5.82	6.14	6.46	6.77
.4	4.89	5.22	5.56	5.89	6.22	6.56	6.89	7.24	7.57	7.90	8.24
.5	6.25	6.60	6.94	7.29	7.64	7.99	8.33	8.68	9.03	9.39	9.72
.6	7.67	8.03	8.39	8.75	9.11	9.47	9.83	10.19	10.56	10.92	11.28
.7	9.14	9.51	9.89	10.26	10.64	11.01	11.39	11.76	12.14	12.51	12.89
.8	10.67	11.06	11.44	11.83	12.22	12.61	13.00	13.39	13.78	14.17	14.56
.9	12.25	12.65	13.06	13.46	13.86	14.26	14.67	15.07	15.47	15.88	16.28
1.0	13.89	14.31	14.72	15.14	15.56	15.97	16.39	16.81	17.22	17.64	18.06
.1	15.58	16.01	16.44	16.88	17.31	17.74	18.17	18.60	19.03	19.46	19.89
.2	17.33	17.78	18.22	18.67	19.11	19.55	20.00	20.44	20.89	21.33	21.77
.3	19.14	19.60	20.06	20.51	20.96	21.42	21.88	22.34	22.79	23.25	23.71
.4	21.00	21.47	21.94	22.42	22.89	23.36	23.83	24.30	24.78	25.25	25.72
.5	22.92	23.40	23.89	24.38	24.86	25.35	25.83	26.32	26.81	27.29	27.78
.6	24.89	25.39	25.89	26.39	26.89	27.39	27.89	28.39	28.89	29.39	29.89
.7	26.92	27.43	27.94	28.46	28.97	29.49	30.00	30.51	31.03	31.54	32.06
.8	29.00	29.53	30.06	30.58	31.11	31.64	32.16	32.69	33.22	33.74	34.27
.9	31.14	31.68	32.22	32.76	33.31	33.85	34.39	34.93	35.47	36.01	36.55
2.0	33.33	33.89	34.44	35.00	35.56	36.11	36.67	37.22	37.78	38.34	38.89
.1	35.58	36.15	36.72	37.29	37.86	38.43	39.00	39.57	40.14	40.71	41.28
.2	37.89	38.47	39.06	39.64	40.22	40.81	41.39	41.97	42.55	43.14	43.72
.3	40.25	40.85	41.44	42.04	42.64	43.24	43.83	44.43	45.03	45.62	46.22
.4	42.67	43.28	43.89	44.50	45.11	45.72	46.33	46.94	47.56	48.17	48.78
.5	45.14	45.76	46.39	47.01	47.64	48.26	48.89	49.51	50.14	50.76	51.39
.6	47.67	48.31	48.94	49.58	50.22	50.86	51.50	52.14	52.78	53.42	54.16
.7	50.25	50.90	51.55	52.21	52.86	53.51	54.16	54.81	55.47	56.12	56.77
.8	52.89	53.56	54.22	54.89	55.56	56.22	56.89	57.56	58.22	58.89	59.56
.9	55.58	56.26	56.94	57.63	58.32	59.00	59.68	60.36	61.04	61.72	62.40

BASE 6 FEET

Side Slopes 1½ : 1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
3.0	58.33	57.64	56.95	56.25	55.56	54.86	54.17	53.48	52.78	52.09	51.39	3.0	58.33	59.03	59.72	60.42	61.11	61.80	62.50	63.19	63.89	64.58	65.27
.1	61.14	60.43	59.72	59.02	58.31	57.60	56.89	56.18	55.48	54.77	54.06	.1	61.14	61.85	62.56	63.26	63.97	64.68	65.39	66.10	66.80	67.51	68.22
.2	64.00	63.28	62.56	61.83	61.11	60.39	59.67	58.95	58.22	57.50	56.78	.2	64.00	64.72	65.44	66.17	66.89	67.61	68.33	69.05	69.78	70.50	71.22
.3	66.92	66.18	65.44	64.71	63.97	63.24	62.50	61.76	61.03	60.29	59.56	.3	66.92	67.65	68.39	69.13	69.86	70.60	71.33	72.07	72.81	73.54	74.28
.4	69.89	69.14	68.39	67.64	66.89	66.14	65.39	64.64	63.89	63.14	62.39	.4	69.89	70.64	71.39	72.14	72.89	73.64	74.39	75.14	75.89	76.64	77.39
.5	72.92	72.15	71.39	70.62	69.86	69.10	68.33	67.57	66.80	66.04	65.28	.5	72.92	73.68	74.44	75.21	75.97	76.74	77.50	78.26	79.03	79.79	80.56
.6	76.00	75.22	74.45	73.67	72.89	72.12	71.34	70.56	69.78	69.01	68.23	.6	76.00	76.78	77.56	78.33	79.11	79.89	80.66	81.44	82.22	83.00	83.77
.7	79.14	78.35	77.55	76.76	75.97	75.18	74.39	73.59	72.80	72.01	71.22	.7	79.14	79.93	80.72	81.51	82.31	83.10	83.89	84.68	85.47	86.27	87.06
.8	82.33	81.53	80.72	79.92	79.11	78.30	77.50	76.69	75.89	75.08	74.27	.8	82.33	83.14	83.95	84.75	85.56	86.36	87.17	87.97	88.78	89.59	90.39
.9	85.58	84.76	83.94	83.12	82.30	81.48	80.66	79.84	79.02	78.20	77.48	.9	85.58	86.40	87.22	88.04	88.86	89.68	90.50	91.32	92.14	92.96	93.78
4.0	88.89	88.06	87.22	86.39	85.56	84.72	83.89	83.06	82.23	81.39	80.56	4.0	88.89	89.72	90.56	91.39	92.22	93.06	93.89	94.72	95.55	96.39	97.22
.1	92.25	91.40	90.56	89.71	88.86	88.02	87.17	86.32	85.47	84.63	83.78	.1	92.25	93.10	93.94	94.79	95.64	96.49	97.33	98.18	99.03	99.87	100.7
.2	95.67	94.81	93.94	93.08	92.22	91.36	90.50	89.64	88.78	87.92	87.06	.2	95.67	96.53	97.39	98.25	99.11	99.97	100.8	101.7	102.6	103.4	104.3
.3	99.14	98.26	97.39	96.51	95.64	94.76	93.89	93.01	92.14	91.26	90.39	.3	99.14	100.0	100.9	101.8	102.6	103.5	104.4	105.3	106.1	107.0	107.9
.4	102.7	101.8	100.9	100.0	99.11	98.22	97.33	96.44	95.55	94.67	93.78	.4	102.7	103.6	104.4	105.3	106.2	107.1	108.0	108.9	109.8	110.7	111.6
.5	106.3	105.4	104.4	103.5	102.6	101.7	100.8	99.93	99.03	98.12	97.22	.5	106.3	107.2	108.1	109.0	109.9	110.8	111.7	112.6	113.5	114.4	115.3
.6	109.9	109.0	108.1	107.1	106.2	105.3	104.4	103.5	102.6	101.6	100.7	.6	109.9	110.8	111.7	112.6	113.6	114.5	115.4	116.3	117.2	118.1	119.1
.7	113.6	112.7	111.7	110.8	109.9	108.9	108.0	107.1	106.1	105.2	104.3	.7	113.6	114.5	115.4	116.4	117.3	118.2	119.2	120.1	121.0	122.0	122.9
.8	117.3	116.4	115.5	114.5	113.6	112.6	111.7	110.7	109.8	108.9	107.9	.8	117.3	118.3	119.2	120.2	121.1	122.1	123.0	123.9	124.9	125.8	126.8
.9	121.1	120.2	119.2	118.3	117.3	116.4	115.4	114.4	113.5	112.5	111.6	.9	121.1	122.1	123.1	124.0	125.0	125.9	126.9	127.9	128.8	129.8	130.7
5.0	125.0	124.0	123.1	122.1	121.1	120.1	119.2	118.2	117.2	116.3	115.3	5.0	125.0	126.0	126.9	127.9	128.9	129.9	130.8	131.8	132.8	133.8	134.7
.1	128.9	127.9	126.9	126.0	125.0	124.0	123.0	122.0	121.0	120.0	119.1	.1	128.9	129.9	130.9	131.9	132.9	133.9	134.8	135.8	136.8	137.8	138.8
.2	132.9	131.9	130.9	129.9	128.9	127.9	126.9	125.9	124.9	123.9	122.9	.2	132.9	133.9	134.9	135.9	136.9	137.9	138.9	139.9	140.9	141.9	142.9
.3	136.9	135.9	134.9	133.9	132.9	131.9	130.8	129.8	128.8	127.8	126.8	.3	136.9	137.9	138.9	140.0	141.0	142.0	143.0	144.0	145.0	146.0	147.1
.4	141.9	140.0	138.9	137.9	136.9	135.9	134.8	133.8	132.8	131.8	130.7	.4	141.0	142.0	143.1	144.1	145.1	146.1	147.2	148.2	149.2	150.3	151.3
.5	145.1	144.1	143.1	142.0	141.0	139.9	138.9	137.8	136.8	135.8	134.7	.5	145.1	146.2	147.2	148.3	149.3	150.4	151.4	152.4	153.5	154.5	155.6
.6	149.3	148.3	147.2	146.2	145.1	144.1	143.0	141.9	140.9	139.8	138.8	.6	149.3	150.4	151.5	152.5	153.6	154.6	155.7	156.7	157.9	158.8	159.9
.7	153.6	152.5	151.5	150.4	149.3	148.2	147.2	146.1	145.0	144.0	142.9	.7	153.6	154.7	155.7	156.8	157.9	158.9	160.0	161.1	162.1	163.2	164.3
.8	157.9	156.8	155.7	154.6	153.6	152.5	151.4	150.3	149.2	148.1	147.1	.8	157.9	159.0	160.1	161.1	162.2	163.3	164.4	165.5	166.6	167.6	168.7
.9	162.3	161.2	160.1	159.0	157.9	156.8	155.7	154.6	153.5	152.4	151.3	.9	162.3	163.4	164.4	165.5	166.6	167.7	168.8	169.9	171.0	172.1	173.2

BASE 8 FEET

Side Slopes 1½ : 1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	1.51	1.13	0.74								
.2	3.07	2.68	2.28	1.88	1.48						
.3	4.69	4.28	3.87	3.46	3.05	2.63	2.22				
.4	6.37	5.94	5.52	5.09	4.67	4.24	3.81	3.39	2.96		
.5	8.10	7.66	7.22	6.78	6.34	5.90	5.46	5.02	4.58	4.14	3.70
.6	9.89	9.43	8.98	8.53	8.07	7.62	7.16	6.71	6.26	5.80	5.35
.7	11.73	11.26	10.80	10.33	9.86	9.39	8.92	8.46	7.99	7.52	7.05
.8	13.63	13.15	12.67	12.18	11.70	11.22	10.74	10.26	9.77	9.29	8.81
.9	15.58	15.09	14.59	14.10	13.60	13.11	12.61	12.12	11.62	11.13	10.63
1.0	17.59	17.08	16.57	16.07	15.56	15.05	14.54	14.03	13.52	13.01	12.50
.1	19.66	19.13	18.61	18.09	17.57	17.04	16.52	16.00	15.47	14.95	14.43
.2	21.78	21.24	20.70	20.17	19.53	18.99	18.46	17.92	17.38	16.84	16.31
.3	23.95	23.40	22.85	22.30	21.75	21.20	20.65	20.10	19.55	18.99	18.44
.4	26.20	25.64	25.07	24.51	23.94	23.38	22.81	22.25	21.68	21.12	20.55
.5	28.47	27.89	27.32	26.74	26.16	25.58	25.00	24.43	23.85	23.27	22.69
.6	30.81	30.22	29.63	29.04	28.44	27.85	27.26	26.66	26.07	25.48	24.88
.7	33.21	32.61	32.00	31.40	30.79	30.18	29.58	28.97	28.37	27.76	27.15
.8	35.67	35.05	34.43	33.81	33.19	32.57	31.95	31.33	30.71	30.09	29.47
.9	38.18	37.54	36.91	36.27	35.64	35.01	34.37	33.74	33.10	32.47	31.84
2.0	40.74	40.09	39.45	38.80	38.15	37.50	36.85	36.21	35.56	34.91	34.26
.1	43.35	42.70	42.04	41.38	40.71	40.05	39.39	38.73	38.07	37.04	36.74
.2	46.04	45.36	44.69	44.01	43.33	42.66	41.98	41.31	40.63	39.95	39.28
.3	48.77	48.08	47.39	46.70	46.01	45.32	44.63	43.94	43.25	42.56	41.87
.4	51.56	50.85	50.15	49.44	48.74	48.04	47.33	46.63	45.92	45.22	44.52
.5	54.40	53.68	52.96	52.25	51.53	50.81	50.09	49.38	48.66	47.94	47.23
.6	57.30	56.57	55.83	55.10	54.37	53.64	52.91	52.18	51.45	50.72	49.99
.7	60.25	59.51	58.76	58.02	57.27	56.53	55.78	55.04	54.29	53.55	52.80
.8	63.26	62.50	61.74	60.98	60.22	59.46	58.70	57.94	57.18	56.42	55.66
.9	66.32	65.55	64.78	64.01	63.23	62.46	61.69	60.91	60.14	59.37	58.59

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	1.51	1.89	2.28	2.66	3.05	3.43	3.81	4.20	4.58	4.97	5.35
.2	3.07	3.47	3.87	4.27	4.67	5.06	5.46	5.86	6.26	6.66	7.05
.3	4.69	5.11	5.52	5.93	6.34	6.75	7.16	7.58	7.99	8.40	8.81
.4	6.37	6.80	7.22	7.65	8.07	8.50	8.93	9.35	9.78	10.20	10.63
.5	8.10	8.54	8.98	9.42	9.86	10.30	10.74	11.18	11.62	12.08	12.52
.6	9.89	10.34	10.80	11.25	11.70	12.16	12.61	13.07	13.52	13.97	14.43
.7	11.73	12.20	12.67	13.13	13.60	14.07	14.54	15.01	15.47	15.94	16.41
.8	13.63	14.11	14.59	15.07	15.56	16.04	16.52	17.00	17.48	17.97	18.45
.9	15.58	16.08	16.57	17.07	17.56	18.06	18.55	19.05	19.54	20.04	20.53
1.0	17.59	18.10	18.61	19.12	19.63	20.14	20.65	21.16	21.67	22.17	22.68
.1	19.66	20.18	20.70	21.23	21.75	22.27	22.80	23.32	23.84	24.36	24.89
.2	21.78	22.31	22.85	23.39	23.93	24.46	25.00	25.54	26.07	26.61	27.15
.3	23.95	24.50	25.06	25.61	26.16	26.71	27.26	27.81	28.36	28.91	29.46
.4	26.19	26.75	27.31	27.88	28.44	29.01	29.57	30.14	30.70	31.27	31.83
.5	28.47	29.05	29.63	30.21	30.79	31.36	31.94	32.52	33.10	33.68	34.25
.6	30.81	31.41	32.00	32.59	33.19	33.78	34.37	34.97	35.56	36.15	36.74
.7	33.21	33.82	34.43	35.03	35.64	36.24	36.85	37.46	38.06	38.67	39.27
.8	35.67	36.29	36.91	37.53	38.15	38.77	39.39	40.01	40.63	41.25	41.87
.9	38.18	38.81	39.44	40.08	40.71	41.35	41.98	42.61	43.25	43.88	44.55
2.0	40.74	41.39	42.04	42.69	43.33	43.98	44.63	45.28	45.93	46.57	47.22
.1	43.36	44.02	44.69	45.35	46.01	46.67	47.33	48.00	48.66	49.32	49.98
.2	46.04	46.71	47.39	48.06	48.74	49.42	50.09	50.77	51.44	52.12	52.80
.3	48.77	49.46	50.15	50.84	51.53	52.22	52.91	53.60	54.29	54.98	55 67
.4	51.56	52.26	52.96	53.67	54.37	55.08	55.78	56.47	57.18	57.88	58.59
.5	54.40	55.12	55.83	56.55	57.27	57.98	58.70	59.42	60.14	60.85	61.57
.6	57.30	58.03	58.76	59.49	60.22	60.95	61.68	62.41	63.15	63.88	64.61
.7	60.25	61.00	61.74	62.49	63.23	63.98	64.72	65.47	66.21	66.96	67.70
.8	63.26	64.02	64.78	65.54	66.30	67.06	67.82	68.58	69.34	70.10	70.86
.9	66.32	67.10	67.87	68.64	69.42	70.19	70.96	71.74	72.51	73.28	74.05

BASE 8 FEET

Side Slopes 1½ : 1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
3.0	69.81	69.03	68.24	67.45	66.67	65.88	65.09	64.31	63.52	62.73	61.94	**3.0**	69.81	70.60	71.39	72.18	72.96	73.75	74.54	75.32	76.11	76.90	77.68
.1	72.62	71.82	71.02	70.22	69.42	68.62	67.81	67.01	66.21	65.41	64.61	.1	72.62	73.42	74.22	75.02	75.82	76.63	77.43	78.23	79.03	79.83	80.63
.2	75.85	75.04	74.22	73.41	72.59	71.78	70.96	70.15	69.33	68.52	67.70	.2	75.85	76.67	77.48	78.30	79.11	79.93	80.74	81.56	82.37	83.19	84.00
.3	79.14	78.31	77.48	76.65	75.82	74.90	74.16	73.34	72.51	71.68	70.85	.3	79.14	79.97	80.80	81.63	82.45	83.28	84.11	84.94	85.77	86.60	87.43
.4	82.48	81.64	80.80	79.95	79.11	78.25	77.40	76.56	75.62	74.77	73.93	.4	82.48	83.32	84.17	85.01	85.85	86.70	87.54	88.38	89.23	90.07	90.92
.5	85.88	85.02	84.17	83.31	82.45	81.59	80.74	79.88	79.02	78.17	77.31	.5	85.88	86.74	87.59	88.45	89.31	90.16	91.02	91.88	92.73	93.59	94.45
.6	89.33	88.46	87.59	86.72	85.85	84.98	84.11	83.24	82.37	81.50	80.63	.6	89.33	90.20	91.07	91.94	92.81	93.68	94.55	95.42	96.29	97.16	98.03
.7	92.84	91.96	91.07	90.19	89.31	88.42	87.54	86.65	85.77	84.89	84.00	.7	92.84	93.73	94.61	95.50	96.38	97.26	98.15	99.03	99.92	100.8	101.7
.8	96.41	95.51	94.61	93.71	92.82	91.92	91.02	90.12	89.22	88.33	87.43	.8	96.41	97.31	98.20	99.10	100.0	100.9	101.8	102.7	103.6	104.5	105.4
.9	100.0	99.12	98.20	97.29	96.38	95.47	94.56	93.64	92.73	91.82	90.91	.9	100.0	100.9	101.9	102.8	103.7	104.6	105.5	106.4	107.3	108.2	109.2
4.0	103.7	102.8	101.9	100.9	100.0	99.07	98.15	97.22	96.30	95.37	94.44	**4.0**	103.7	104.6	105.6	106.5	107.4	108.3	109.3	110.2	111.1	112.0	113.0
.1	107.4	106.5	105.6	104.6	103.7	102.7	101.8	100.9	99.92	98.98	98.04	.1	107.4	108.4	109.3	110.3	111.2	112.1	113.1	114.0	114.9	115.9	116.8
.2	111.2	110.3	109.3	108.4	107.4	106.5	105.5	104.6	103.6	102.7	101.7	.2	111.2	112.2	113.1	114.1	115.0	116.0	116.9	117.9	118.9	119.8	120.8
.3	115.1	114.1	113.1	112.2	111.2	110.2	109.3	108.3	107.3	106.4	105.4	.3	115.1	116.0	117.0	118.0	118.9	119.9	120.9	121.8	122.8	123.8	124.7
.4	119.0	118.0	117.0	116.0	115.0	114.0	113.1	112.1	111.1	110.1	109.1	.4	119.0	119.9	120.9	121.9	122.9	123.9	124.9	125.8	126.8	127.8	128.8
.5	122.9	121.9	120.9	119.9	118.9	117.9	116.9	115.9	115.0	114.0	113.0	.5	122.9	123.9	124.9	125.9	126.9	127.9	128.9	129.9	130.9	131.9	132.9
.6	126.9	125.9	124.9	123.9	122.9	121.9	120.9	119.9	118.9	117.9	116.8	.6	126.9	127.9	128.9	130.0	131.0	132.0	133.0	134.0	135.0	136.0	137.0
.7	131.0	130.0	128.9	127.9	126.9	125.9	124.9	123.8	122.8	121.8	120.8	.7	131.0	132.0	133.0	134.1	135.1	136.1	137.1	138.2	139.2	140.2	141.2
.8	135.1	134.1	133.0	132.0	131.0	129.9	128.9	127.9	126.8	125.8	124.7	.8	135.1	136.2	137.2	138.2	139.3	140.3	141.3	142.4	143.4	144.4	145.5
.9	139.3	138.2	137.2	136.1	135.1	134.0	133.0	131.9	130.9	129.8	128.8	.9	139.3	140.3	141.4	142.4	143.5	144.5	145.6	146.6	147.7	148.7	149.8
5.0	143.5	142.5	141.4	140.3	139.3	138.2	137.1	136.1	135.0	133.9	132.9	**5.0**	143.5	144.6	145.7	146.7	147.8	148.8	149.9	151.0	152.0	153.1	154.1
.1	147.8	146.7	145.7	144.6	143.5	142.4	141.3	140.3	139.2	138.1	137.0	.1	147.8	148.9	150.0	151.0	152.1	153.2	154.3	155.4	156.4	157.5	158.6
.2	152.2	151.1	150.0	148.9	147.8	146.7	145.6	144.5	143.4	142.3	141.2	.2	152.2	153.2	154.3	155.4	156.5	157.6	158.7	159.8	160.9	162.0	163.1
.3	156.6	155.4	154.3	153.2	152.1	151.0	149.9	148.8	147.7	146.6	145.5	.3	156.6	157.7	158.8	159.9	161.0	162.1	163.2	164.3	165.4	166.5	167.6
.4	161.0	159.9	158.8	157.6	156.5	155.4	154.3	153.2	152.0	150.9	149.8	.4	161.0	162.1	163.2	164.4	165.5	166.6	167.7	168.8	170.0	171.1	172.2
.5	165.5	164.4	163.2	162.1	161.0	159.8	158.7	157.6	156.3	155.2	154.1	.5	165.5	166.6	167.8	168.9	170.1	171.2	172.3	173.5	174.6	175.7	176.9
.6	170.1	168.9	167.8	166.6	165.5	164.3	163.2	162.0	160.9	159.7	158.6	.6	170.1	171.2	172.4	173.5	174.7	175.8	177.0	178.1	179.3	180.4	181.6
.7	174.7	173.5	172.4	171.2	170.1	168.9	167.7	166.6	165.4	164.2	163.1	.7	174.7	175.9	177.0	178.2	179.3	180.5	181.7	182.8	184.0	185.1	186.3
.8	179.4	178.2	177.0	175.8	174.7	173.5	172.3	171.1	170.0	168.8	167.6	.8	179.4	180.6	181.7	182.9	184.1	185.3	186.4	187.6	188.8	189.9	191.1
.9	184.1	182.9	181.7	180.5	179.3	178.2	177.0	175.8	174.6	173.4	172.2	.9	184.1	185.3	186.5	187.7	188.9	190.1	191.2	192.4	193.6	194.8	196.0

BASE 10 FEET

Side Slopes 1½ : 1

— +

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	1.88	1.40	.93								
.2	3.81	3.32	2.83	2.34	1.85						
.3	5.81	5.30	4.80	4.29	3.79	3.28	2.78				
.4	7.85	7.33	6.81	6.29	5.78	5.26	4.74	4.22	3.70		
.5	9.95	9.42	8.89	8.35	7.82	7.29	6.76	6.22	5.69	5.16	4.62
.6	12.11	11.57	11.02	10.47	9.93	9.38	8.84	8.29	7.74	7.20	6.65
.7	14.32	13.76	13.20	12.64	12.08	11.52	10.96	10.40	9.84	9.28	8.72
.8	16.59	16.02	15.44	14.87	14.30	13.72	13.15	12.57	12.00	11.43	10.85
.9	18.92	18.33	17.74	17.15	16.56	15.98	15.39	14.80	14.21	13.62	13.04
1.0	21.30	20.69	20.09	19.49	18.89	18.29	17.68	17.08	16.48	15.88	15.28
.1	23.73	23.12	22.50	21.88	21.27	20.65	20.04	19.42	18.80	18.19	17.57
.2	26.26	25.63	25.00	24.37	23.74	23.11	22.49	21.86	21.23	20.60	19.97
.3	28.77	28.12	27.48	26.84	26.19	25.55	24.90	24.26	23.62	22.97	22.33
.4	31.37	30.71	30.06	29.40	28.74	28.09	27.43	26.77	26.11	25.46	24.80
.5	34.03	33.36	32.69	32.01	31.34	30.67	30.00	29.33	28.67	27.99	27.32
.6	36.74	36.06	35.37	34.69	34.00	33.32	32.62	31.94	31.25	30.57	29.88
.7	39.51	38.81	38.11	37.41	36.71	36.01	35.32	34.62	33.92	33.22	32.52
.8	42.33	41.62	40.91	40.19	39.48	38.77	38.05	37.34	36.63	35.92	35.20
.9	45.21	44.49	43.76	43.03	42.30	41.58	40.85	40.12	39.40	38.67	37.94
2.0	48.15	47.41	46.67	45.93	45.19	44.45	43.71	42.97	42.23	41.49	40.75
.1	51.14	50.39	49.63	48.89	48.12	47.37	46.62	45.86	45.11	44.35	43.60
.2	54.19	53.42	52.65	51.88	51.11	50.35	49.58	48.81	48.04	47.27	46.51
.3	57.29	56.51	55.72	54.94	54.16	53.38	52.60	51.81	51.03	50.25	49.47
.4	60.44	59.65	58.85	58.06	57.26	56.46	55.67	54.87	54.08	53.28	52.48
.5	63.66	62.85	62.04	61.23	60.42	59.61	58.80	57.99	57.18	56.37	55.56
.6	66.93	66.10	65.28	64.45	63.63	62.81	61.98	61.16	60.33	59.51	58.69
.7	70.25	69.41	68.57	67.74	66.90	66.06	65.22	64.38	63.55	62.71	61.87
.8	73.63	72.78	71.93	71.07	70.22	69.37	68.52	67.67	66.81	65.96	65.11
.9	77.06	76.20	75.33	74.47	73.60	72.73	71.87	71.00	70.14	69.27	68.40

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	1.88	2.36	2.83	3.31	3.79	4.26	4.74	5.22	5.70	6.17	6.65
.2	3.81	4.31	4.80	5.29	5.78	6.27	6.76	7.25	7.74	8.23	8.72
.3	5.81	6.31	6.81	7.32	7.83	8.33	8.84	9.34	9.85	10.35	10.86
.4	7.85	8.37	8.89	9.41	9.93	10.45	10.96	11.48	12.00	12.52	13.05
.5	9.95	10.49	11.02	11.55	12.08	12.62	13.15	13.68	14.22	14.75	15.28
.6	12.11	12.66	13.20	13.75	14.30	14.84	15.39	15.93	16.48	17.03	17.57
.7	14.32	14.88	15.44	16.00	16.56	17.12	17.68	18.24	18.80	19.36	19.92
.8	16.59	17.17	17.74	18.31	18.89	19.46	20.04	20.61	21.18	21.76	22.33
.9	18.92	19.50	20.09	20.68	21.27	21.86	22.44	23.03	23.62	24.21	24.80
1.0	21.30	21.90	22.50	23.10	23.70	24.31	24.91	25.51	26.11	26.71	27.32
.1	23.73	24.35	24.96	25.58	26.19	26.81	27.43	28.04	28.66	29.27	29.89
.2	26.26	26.85	27.45	28.11	28.74	29.37	30.00	30.63	31.26	31.89	32.52
.3	28.77	29.41	30.06	30.70	31.34	31.99	32.63	33.28	33.92	34.56	35.21
.4	31.37	32.03	32.69	33.34	34.00	34.66	35.31	35.97	36.63	37.28	37.94
.5	34.03	34.70	35.37	36.04	36.71	37.38	38.05	38.73	39.40	40.07	40.74
.6	36.74	37.43	38.11	38.80	39.48	40.17	40.85	41.54	42.22	42.91	43.59
.7	39.51	40.21	40.91	41.71	42.41	43.10	43.80	44.50	45.20	45.90	46.60
.8	42.33	43.05	43.76	44.47	45.19	45.90	46.61	47.32	48.04	48.75	49.46
.9	45.21	45.94	46.67	47.39	48.12	48.85	49.57	50.30	51.03	51.76	52.48
2.0	48.15	48.89	49.63	50.37	51.11	51.85	52.59	53.33	54.07	54.81	55.55
.1	51.14	51.89	52.65	53.40	54.16	54.91	55.66	56.42	57.17	57.93	58.68
.2	54.19	54.95	55.72	56.49	57.26	58.03	58.79	59.56	60.33	61.10	61.87
.3	57.29	58.07	58.85	59.63	60.42	61.20	61.98	62.76	63.54	64.33	65.11
.4	60.44	61.24	62.04	62.83	63.63	64.43	65.22	66.02	66.81	67.61	68.41
.5	63.66	64.47	65.28	66.09	66.90	67.71	68.52	69.33	70.14	70.95	71.76
.6	66.93	67.75	68.57	69.40	70.22	71.05	71.87	72.69	73.52	74.34	75.17
.7	70.25	71.09	71.93	72.76	73.60	74.44	75.28	76.12	76.95	77.79	78.63
.8	73.63	74.48	75.33	76.19	77.04	77.89	78.74	79.59	80.45	81.30	82.15
.9	77.06	77.93	78.80	79.66	80.53	81.39	82.26	83.13	83.99	84.86	85.72

BASE 10 FEET

Side Slopes 1½ : 1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
3.0	80.56	79.68	78.80	77.92	77.04	76.16	75.28	74.40	73.52	72.64	71.76
.1	84.10	83.21	82.31	81.42	80.53	79.63	78.74	77.84	76.95	76.06	75.16
.2	87.70	86.80	85.89	84.98	84.07	83.16	82.26	81.35	80.44	79.53	78.62
.3	91.36	90.44	89.52	88.60	87.68	86.76	85.84	84.91	83.99	83.07	82.15
.4	95.07	94.14	93.20	92.27	91.33	90.40	89.46	88.53	87.59	86.66	85.72
.5	98.84	97.89	96.94	96.00	95.05	94.10	93.15	92.20	91.25	90.30	89.35
.6	102.7	101.7	100.7	99.78	98.81	97.85	96.89	95.93	94.96	94.00	93.04
.7	106.6	105.6	104.6	103.6	102.6	101.7	100.7	99.71	98.73	97.74	96.78
.8	110.5	109.5	108.5	107.5	106.5	105.5	104.5	103.5	102.6	101.6	100.6
.9	114.5	113.5	112.5	111.5	110.5	109.5	108.5	107.4	106.4	105.4	104.4
4.0	118.5	117.5	116.5	115.5	114.4	113.4	112.4	111.4	110.4	109.4	108.3
.1	122.6	121.6	120.6	119.5	118.5	117.5	116.4	115.4	114.4	113.3	112.3
.2	126.8	125.7	124.7	123.6	122.6	121.5	120.5	119.5	118.4	117.4	116.3
.3	131.0	129.9	128.9	127.8	126.8	125.7	124.6	123.6	122.5	121.4	120.4
.4	135.3	134.2	133.1	132.0	131.0	129.9	128.8	127.7	126.7	125.6	124.5
.5	139.6	138.5	137.4	136.3	135.2	134.1	133.1	132.0	130.9	129.8	128.7
.6	144.0	142.9	141.8	140.7	139.4	138.5	137.4	136.3	135.2	134.1	132.9
.7	148.4	147.3	146.2	145.1	143.9	142.8	141.7	140.6	139.5	138.4	137.2
.8	152.9	151.8	150.6	149.5	148.4	147.2	146.1	145.0	143.9	142.7	141.6
.9	157.4	156.3	155.2	154.0	152.9	151.7	150.6	149.4	148.3	147.2	146.0
5.0	162.0	160.9	159.7	158.6	157.4	156.3	155.1	153.9	152.8	151.6	150.5
.1	166.7	165.5	164.4	163.2	162.0	160.8	159.7	158.5	157.3	156.2	155.0
.2	171.4	170.2	169.0	167.9	166.7	165.5	164.3	163.1	161.9	160.7	159.6
.3	176.2	175.0	173.8	172.6	171.4	170.2	169.0	167.8	166.6	165.4	164.2
.4	181.0	179.8	178.6	177.4	176.2	174.9	173.7	172.5	171.3	170.1	168.9
.5	185.9	184.7	183.4	182.2	181.0	179.7	178.5	177.3	176.1	174.8	173.6
.6	190.8	189.6	188.3	187.1	185.9	184.6	183.5	182.1	180.9	179.7	178.4
.7	195.8	194.6	193.3	192.0	190.8	189.5	188.3	187.0	185.8	184.5	183.3
.8	200.9	199.6	198.3	197.1	195.8	194.5	193.2	192.0	190.7	189.4	188.2
.9	206.0	204.7	203.4	202.1	200.8	199.5	198.3	197.0	195.7	194.4	193.1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
3.0	80.56	81.44	82.31	83.19	84.07	84.95	85.83	86.71	87.59	88.47	89.35
.1	84.10	85.00	85.89	86.78	87.68	88.57	89.46	90.36	91.25	92.15	93.04
.2	87.70	88.61	89.52	90.43	91.34	92.24	93.15	94.06	94.97	95.88	96.78
.3	91.36	92.28	93.20	94.13	95.05	95.97	96.89	97.81	98.73	99.65	100.6
.4	95.07	96.01	96.94	97.88	98.81	99.75	100.7	101.6	102.6	103.5	104.4
.5	98.84	99.79	100.7	101.7	102.6	103.6	104.5	105.5	106.4	107.4	108.3
.6	102.7	103.6	104.6	105.6	106.5	107.5	108.4	109.4	110.4	111.3	112.3
.7	106.6	107.5	108.5	109.5	110.5	111.4	112.4	113.4	114.4	115.3	116.3
.8	110.5	111.5	112.5	113.5	114.5	115.4	116.4	117.4	118.4	119.4	120.4
.9	114.5	115.5	116.5	117.5	118.5	119.5	120.5	121.5	122.5	123.5	124.5
4.0	118.5	119.5	120.6	121.6	122.6	123.6	124.6	125.7	126.7	127.7	128.7
.1	122.6	123.7	124.7	125.7	126.8	127.8	128.8	129.9	130.9	131.9	133.0
.2	126.8	127.8	128.9	129.9	131.0	132.0	133.1	134.1	135.2	136.2	137.3
.3	131.0	132.1	133.1	134.2	135.2	136.3	137.4	138.4	139.5	140.5	141.6
.4	135.3	136.3	137.4	138.5	139.6	140.6	141.7	142.8	143.9	144.9	146.0
.5	139.6	140.7	141.8	142.9	143.9	145.0	146.1	147.2	148.3	149.4	150.5
.6	144.0	145.1	146.2	147.3	148.4	149.5	150.6	151.7	152.8	153.9	155.0
.7	148.4	149.6	150.6	151.8	152.9	154.0	155.1	156.2	157.3	158.4	159.6
.8	152.9	154.0	155.2	156.3	157.4	158.5	159.7	160.8	161.9	163.1	164.2
.9	157.4	158.6	159.7	160.9	162.0	163.2	164.3	165.4	166.6	167.7	168.9
5.0	162.0	163.2	164.4	165.5	166.7	167.8	169.0	170.1	171.3	172.5	173.6
.1	166.7	167.9	169.0	170.2	171.4	172.6	173.7	174.9	175.1	177.2	178.4
.2	171.4	172.6	173.8	175.0	176.2	177.3	178.5	179.7	180.9	182.1	183.3
.3	176.2	177.4	178.6	179.8	181.0	182.2	183.4	184.6	185.8	187.0	188.2
.4	181.0	182.2	183.4	184.6	185.9	187.1	188.3	189.5	190.7	191.9	193.1
.5	185.9	187.1	188.3	189.6	190.8	192.0	193.2	194.5	195.7	196.9	198.2
.6	190.8	192.1	193.3	194.5	195.8	197.0	198.3	199.5	200.7	202.0	203.2
.7	195.8	197.1	198.3	199.6	200.8	202.1	203.3	204.6	205.8	207.1	208.4
.8	200.9	202.1	203.4	204.7	205.9	207.2	208.5	209.7	211.0	212.3	213.5
.9	206.0	207.2	208.5	209.8	211.1	212.4	213.7	214.9	216.2	217.5	218.8

BASE 12 FEET

Side Slopes 1½ : 1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
0.1	2.25	1.68	1.11									0.1	2.25	2.82	3.39	3.96	4.53	5.10	5.67	6.23	6.80	7.37	7.94
.2	4.56	3.97	3.39	2.81	2.22							.2	4.56	5.14	5.72	6.31	6.89	7.47	8.05	8.64	9.22	9.80	10.39
.3	6.92	6.32	5.72	5.13	4.53	3.93	3.33					.3	6.92	7.51	8.11	8.71	9.31	9.90	10.50	11.10	11.69	12.29	12.89
.4	9.33	8.72	8.11	7.50	6.89	6.28	5.67	5.06	4.44			.4	9.33	9.94	10.56	11.17	11.78	12.39	13.00	13.61	14.22	14.83	15.44
.5	11.81	11.18	10.56	9.93	9.31	8.68	8.06	7.43	6.81	6.18	5.56	.5	11.81	12.43	13.06	13.68	14.31	14.93	15.56	16.18	16.81	17.43	18.06
.6	14.33	13.69	13.06	12.42	11.78	11.14	10.50	9.86	9.22	8.58	7.94	.6	14.33	14.97	15.61	16.25	16.89	17.53	18.17	18.81	19.45	20.08	20.72
.7	16.92	16.26	15.61	14.96	14.30	13.65	13.00	12.35	11.69	11.04	10.39	.7	16.92	17.57	18.22	18.88	19.53	20.18	20.83	21.49	22.14	22.79	23.45
.8	19.56	18.89	18.22	17.55	16.88	16.22	15.55	14.89	14.22	13.55	12.89	.8	19.56	20.22	20.89	21.56	22.22	22.89	23.56	24.22	24.89	25.56	26.23
.9	22.25	21.57	20.89	20.21	19.53	18.85	18.17	17.49	16.81	16.13	15.45	.9	22.25	22.93	23.61	24.29	24.97	25.65	26.33	27.01	27.69	28.37	29.05
1.0	25.00	24.31	23.61	22.92	22.22	21.53	20.84	20.14	19.45	18.75	18.06	1.0	25.00	25.69	26.39	27.08	27.78	28.47	29.17	29.86	30.55	31.25	31.94
.1	27.81	27.10	26.39	25.86	24.97	24.27	23.56	22.85	22.14	21.43	20.73	.1	27.81	28.51	29.22	29.93	30.64	31.35	32.05	32.76	33.47	34.18	34.89
.2	30.67	29.94	29.22	28.50	27.78	27.06	26.33	25.61	24.89	24.17	23.45	.2	30.67	31.39	32.11	32.83	33.56	34.28	35.00	35.72	36.44	37.17	37.89
.3	33.58	32.85	32.11	31.38	30.64	29.90	29.17	28.43	27.70	26.96	26.22	.3	33.58	34.32	35.06	35.79	36.53	37.26	38.00	38.74	39.47	40.21	40.94
.4	36.56	35.81	35.06	34.31	33.56	32.81	32.06	31.31	30.56	29.81	29.06	.4	36.56	37.31	38.06	38.81	39.56	40.31	41.06	41.81	42.56	43.31	44.06
.5	39.58	38.82	38.06	37.29	36.53	35.76	35.00	34.24	33.47	32.71	31.94	.5	39.58	40.35	41.11	41.88	42.64	43.40	44.17	44.93	45.70	46.46	47.22
.6	42.67	41.89	41.11	40.33	39.55	38.78	38.00	37.22	36.44	35.66	34.89	.6	42.67	43.44	44.22	45.00	45.78	46.56	47.33	48.11	48.89	49.67	50.45
.7	45.81	45.01	44.22	43.43	42.64	41.85	41.05	40.26	39.47	38.68	37.89	.7	45.81	46.60	47.39	48.18	48.97	49.76	50.56	51.35	52.14	52.93	53.72
.8	49.00	48.20	47.39	46.59	45.78	44.98	44.17	43.37	42.56	41.76	40.95	.8	49.00	49.81	50.61	51.42	52.22	53.03	53.83	54.64	55.44	56.25	57.05
.9	52.25	51.43	50.61	49.79	48.97	48.16	47.34	46.52	45.70	44.88	44.06	.9	52.25	53.07	53.89	54.71	55.53	56.35	57.17	57.98	58.80	59.62	60.44
2.0	55.56	54.72	53.89	53.06	52.22	51.39	50.56	49.72	48.89	48.06	47.23	2.0	55.56	56.39	57.22	58.06	58.89	59.72	60.55	61.39	62.22	63.05	63.89
.1	58.92	58.07	57.22	56.38	55.53	54.68	53.83	52.99	52.14	51.29	50.45	.1	58.92	59.76	60.61	61.46	62.31	63.15	64.00	64.85	65.69	66.54	67.39
.2	62.33	61.47	60.61	59.75	58.89	58.03	57.17	56.31	55.45	54.84	53.72	.2	62.33	63.19	64.06	64.92	65.78	66.64	67.50	68.36	69.22	70.08	70.94
.3	65.81	64.93	64.06	63.18	62.31	61.43	60.56	59.68	58.81	57.93	57.06	.3	65.81	66.68	67.56	68.43	69.31	70.18	71.06	71.93	72.81	73.68	74.56
.4	69.33	68.44	67.56	66.67	65.78	64.89	64.00	63.11	62.22	61.33	60.44	.4	69.33	70.22	71.11	72.00	72.89	73.78	74.67	75.56	76.45	77.33	78.22
.5	72.92	72.01	71.11	70.21	69.30	68.40	67.50	66.60	65.69	64.79	63.89	.5	72.92	73.82	74.72	75.63	76.53	77.43	78.33	79.24	80.14	81.04	81.95
.6	76.56	75.64	74.72	73.80	72.89	71.97	71.05	70.14	69.22	68.30	67.39	.6	76.56	77.47	78.39	79.31	80.22	81.14	82.06	82.97	83.89	84.81	85.72
.7	80.25	79.32	78.39	77.46	76.53	75.60	74.67	73.74	72.81	71.88	70.95	.7	80.25	81.18	82.11	83.04	83.97	84.90	85.83	86.76	87.69	88.62	89.55
.8	84.00	83.06	82.11	81.17	80.22	79.28	78.34	77.39	76.45	75.50	74.56	.8	84.00	84.94	85.89	86.83	87.78	88.72	89.67	90.61	91.55	92.50	93.44
.9	87.81	86.85	85.89	84.93	83.97	83.02	82.06	81.10	80.14	79.18	78.23	.9	87.81	88.76	89.72	90.68	91.64	92.60	93.55	94.51	95.47	96.43	97.39

BASE 12 FEET

Side Slopes 1½ : 1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
3.0	91.67	90.69	89.72	88.75	87.77	86.80	85.82	84.84	83.87	82.89	81.91	3.0	91.67	92.64	93.61	94.58	95.56	96.53	97.50	98.47	99.44	100.4	101.4
.1	95.59	94.60	93.61	92.63	91.64	90.65	89.67	88.68	87.70	86.71	85.73	.1	95.58	96.57	97.56	98.54	99.53	100.5	101.5	102.5	103.5	104.5	105.4
.2	99.56	98.56	97.56	96.56	95.56	94.56	93.56	92.56	91.56	90.56	89.56	.2	99.56	100.6	101.6	102.6	103.6	104.6	105.6	106.6	107.6	108.6	109.6
.3	103.6	102.6	101.6	100.5	99.53	98.51	97.50	96.49	95.47	94.46	93.44	.3	103.6	104.6	105.6	106.6	107.6	108.7	109.7	110.7	111.7	112.7	113.7
.4	107.7	106.6	105.6	104.6	103.6	102.5	101.5	100.5	99.45	98.42	97.39	.4	107.7	108.7	109.7	110.8	111.8	112.8	113.8	114.9	115.9	116.9	118.0
.5	111.8	110.8	109.7	108.7	107.6	106.6	105.6	104.5	103.5	102.4	101.4	.5	111.8	112.9	113.9	114.9	116.0	117.0	118.1	119.1	120.1	121.2	122.2
.6	116.0	115.0	113.9	112.8	111.8	110.7	109.7	108.6	107.6	106.5	105.5	.6	116.0	117.1	118.1	119.2	120.2	121.3	122.3	123.4	124.4	125.5	126.6
.7	120.3	119.2	118.1	117.0	116.0	114.9	113.8	112.8	111.7	110.6	109.6	.7	120.3	121.3	122.4	123.5	124.5	125.6	126.7	127.7	128.8	129.9	130.9
.8	124.6	123.5	122.4	121.3	120.2	119.1	118.1	117.0	115.9	114.8	113.7	.8	124.6	125.6	126.7	127.8	128.9	130.0	131.1	132.1	133.2	134.3	135.4
.9	128.9	127.8	126.7	125.6	124.5	123.4	122.3	121.2	120.1	119.0	117.9	.9	128.9	130.0	131.1	132.2	133.3	134.4	135.5	136.6	137.7	138.8	139.9
4.0	133.3	132.2	131.1	130.0	128.9	127.8	126.7	125.6	124.5	123.3	122.2	4.0	133.3	134.4	135.6	136.7	137.8	138.9	140.0	141.1	142.2	143.3	144.4
.1	137.8	136.7	135.6	134.4	133.3	132.2	131.1	129.9	128.8	127.7	126.6	.1	137.8	138.9	140.1	141.2	142.3	143.4	144.6	145.7	146.8	147.9	149.1
.2	142.3	141.2	140.1	138.9	137.8	136.6	135.5	134.4	133.2	132.1	130.9	.2	142.3	143.5	144.6	145.8	146.9	148.0	149.2	150.3	151.5	152.6	153.7
.3	146.9	145.8	144.6	143.5	142.3	141.2	140.0	138.9	137.7	136.5	135.4	.3	146.9	148.1	149.2	150.4	151.5	152.7	153.8	155.0	156.1	157.3	158.5
.4	151.6	150.4	149.2	148.1	146.9	145.7	144.6	143.4	142.2	141.1	139.9	.4	151.6	152.7	153.9	155.1	156.2	157.4	158.6	159.7	160.9	162.1	163.2
.5	156.3	155.1	153.9	152.7	151.5	150.4	149.2	147.9	146.8	145.6	144.4	.5	156.3	157.4	158.6	159.8	161.0	162.2	163.3	164.5	165.7	166.9	168.1
.6	161.0	159.8	158.6	157.4	156.2	155.0	153.8	152.6	151.5	150.3	149.1	.6	161.0	162.2	163.4	164.6	165.8	167.0	168.2	169.4	170.6	171.8	172.9
.7	165.8	164.6	163.4	162.2	161.0	159.8	158.6	157.4	156.1	154.9	153.7	.7	165.8	167.0	168.2	169.4	170.6	171.9	173.1	174.3	175.5	176.7	177.9
.8	171.8	170.6	169.3	168.1	166.9	165.7	164.4	163.2	162.0	160.8	159.6	.8	171.8	173.0	174.2	175.4	176.7	177.9	179.1	180.3	181.6	182.8	184.0
.9	175.6	174.4	173.1	171.9	170.6	169.4	168.2	166.9	165.7	164.5	163.2	.9	175.6	176.8	178.1	179.3	180.5	181.8	183.0	184.2	185.5	186.7	187.9
5.0	180.6	179.3	178.1	176.8	175.6	174.3	173.1	171.8	170.6	169.3	168.1	5.0	180.6	181.8	183.1	184.3	185.6	186.8	188.1	189.3	190.6	191.8	193.1
.1	185.6	184.3	183.1	181.8	180.5	179.3	178.0	176.7	175.5	174.2	172.9	.1	185.6	186.9	188.1	189.4	190.6	191.9	193.2	194.4	195.7	197.0	198.2
.2	190.7	189.4	188.1	186.8	185.6	184.3	183.0	181.7	180.4	179.2	177.9	.2	190.7	181.9	193.2	194.5	195.8	197.1	198.3	199.6	200.9	202.2	203.5
.3	195.8	194.5	193.2	191.9	190.6	189.4	188.1	186.8	185.5	184.2	182.9	.3	195.8	197.1	198.4	199.7	201.0	202.3	203.6	204.9	206.1	207.4	208.7
.4	201.0	199.7	198.4	197.1	195.8	194.5	193.2	191.9	190.6	189.3	187.9	.4	201.0	202.3	203.6	204.9	206.2	207.5	208.8	210.1	211.4	212.8	214.1
.5	206.3	204.9	203.6	202.3	201.0	199.7	198.3	197.0	195.7	194.4	193.1	.5	206.3	207.6	208.9	210.2	211.5	212.9	214.2	215.5	216.8	218.1	219.4
.6	211.6	210.2	208.9	207.6	206.2	204.9	203.6	202.2	200.9	199.6	198.2	.6	211.6	212.9	214.2	215.6	216.9	218.2	219.6	220.9	222.2	223.6	224.9
.7	216.9	215.6	214.2	212.9	211.5	210.2	208.8	207.5	206.1	204.8	203.5	.7	216.9	218.3	219.6	221.0	222.3	223.7	225.0	226.3	227.7	229.0	230.4
.8	222.3	221.0	219.6	218.3	216.9	215.5	214.2	212.8	211.5	210.1	208.7	.8	222.3	223.7	225.1	226.4	227.8	229.1	230.5	231.9	233.2	234.6	235.9
.9	227.8	226.4	225.1	223.7	222.3	220.9	219.6	218.2	216.8	215.4	214.1	.9	227.8	229.2	230.6	231.9	233.3	234.7	236.1	237.4	238.8	240.2	241.6

BASE 14 FEET

Side Slopes 1½ : 1

— +

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
0.1	2.62	1.96	1.30								
.2	5.30	4.62	3.94	3.27	2.59						
.3	8.03	7.31	6.65	5.96	5.27	4.58	3.89				
.4	10.81	10.11	9.41	8.70	8.00	7.29	6.59	5.89	5.18		
.5	13.66	12.94	12.22	11.50	10.79	10.07	9.35	8.63	7.91	7.20	6.48
.6	16.56	15.82	15.09	14.36	13.63	12.90	12.16	11.43	10.70	9.97	9.24
.7	19.51	18.76	18.02	17.27	16.53	15.78	15.04	14.29	13.55	12.80	12.06
.8	22.52	21.76	21.00	20.24	19.48	18.72	17.96	17.21	16.45	15.69	14.93
.9	25.58	24.81	24.04	23.26	22.49	21.72	20.95	20.19	19.40	18.63	17.85
1.0	28.70	27.92	27.13	26.34	25.56	24.77	23.98	23.19	22.41	21.62	20.83
.1	31.88	31.08	30.28	29.48	28.67	27.87	27.07	26.27	25.47	24.67	23.87
.2	35.11	34.30	33.48	32.67	31.85	31.04	30.22	29.41	28.59	27.78	26.96
.3	38.40	37.57	36.74	35.91	35.09	34.26	33.43	32.60	31.77	30.95	30.12
.4	41.74	40.90	40.05	39.21	38.37	37.53	36.68	35.84	35.00	34.15	33.31
.5	45.14	44.28	43.42	42.57	41.71	40.85	40.00	39.14	38.28	37.43	36.57
.6	48.59	47.72	46.85	45.98	45.11	44.24	43.37	42.50	41.62	40.75	39.88
.7	52.10	51.22	50.33	49.45	48.57	47.68	46.80	45.91	45.03	44.15	43.26
.8	55.67	54.77	53.87	52.97	52.07	51.18	50.28	49.38	48.48	47.58	46.69
.9	59.29	58.38	57.46	56.55	55.64	54.73	53.82	52.90	51.99	51.08	50.17
2.0	62.96	62.04	61.11	60.19	59.26	58.33	57.41	56.48	55.56	54.63	53.70
.1	66.69	65.75	64.81	63.87	62.93	61.99	61.05	60.11	59.17	58.23	57.29
.2	70.48	69.53	68.57	67.62	66.67	65.71	64.76	63.80	62.85	61.90	60.94
.3	74.32	73.36	72.39	71.42	70.45	69.48	68.52	67.55	66.58	65.61	64.64
.4	78.22	77.24	76.26	75.28	74.30	73.32	72.34	71.36	70.38	69.40	68.41
.5	82.18	81.18	80.18	79.19	78.19	77.20	76.20	75.20	74.21	73.21	72.22
.6	86.19	85.18	84.17	83.15	82.15	81.14	80.13	79.12	78.11	77.10	76.10
.7	90.25	89.23	88.20	87.18	86.16	85.14	84.11	83.09	82.07	81.04	80.02
.8	94.37	93.33	92.30	91.26	90.22	89.19	88.15	87.11	86.07	85.04	84.00
.9	98.55	97.50	96.44	95.39	94.34	93.29	92.24	91.19	90.14	89.09	88.04

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
0.1	2.62	3.28	3.94	4.61	5.27	5.93	6.59	7.25	7.92	8.58	9.24
.2	5.30	5.97	6.65	7.32	8.00	8.68	9.35	10.03	10.70	11.38	12.06
.3	8.03	8.72	9.41	10.10	10.79	11.48	12.17	12.86	13.55	14.24	14.93
.4	10.81	11.52	12.22	12.93	13.63	14.33	15.04	15.74	16.45	17.15	17.85
.5	13.66	14.38	15.09	15.81	16.53	17.25	17.96	18.68	19.40	20.12	20.84
.6	16.56	17.29	18.02	18.75	19.48	20.21	20.95	21.68	22.41	23.14	23.87
.7	19.51	20.25	21.00	21.75	22.49	23.24	23.98	24.73	25.47	26.22	26.96
.8	22.52	23.28	24.04	24.80	25.56	26.31	27.07	27.83	28.59	29.35	30.11
.9	25.58	26.36	27.13	27.90	28.68	29.45	30.22	30.99	31.77	32.54	33.31
1.0	28.70	29.49	30.28	31.06	31.85	32.64	33.43	34.21	35.00	35.79	36.57
.1	31.86	32.68	33.48	34.28	35.08	35.88	36.69	37.49	38.29	39.09	39.89
.2	35.11	35.93	36.74	37.56	38.37	39.19	40.00	40.82	41.63	42.45	43.26
.3	38.40	39.23	40.06	40.88	41.71	42.54	43.37	44.20	45.02	45.95	46.68
.4	41.74	42.58	43.43	44.27	45.11	45.96	46.80	47.64	48.48	49.33	50.17
.5	45.14	46.00	46.85	47.71	48.57	49.42	50.28	51.14	51.99	52.85	53.71
.6	48.59	49.46	50.33	51.20	52.07	52.95	53.82	54.69	55.56	56.43	57.30
.7	52.10	52.99	53.87	54.75	55.64	56.52	57.41	58.29	59.17	60.06	60.94
.8	55.67	56.56	57.46	58.36	59.26	60.16	61.06	61.95	62.85	63.75	64.65
.9	59.29	60.20	61.11	62.02	62.94	63.85	64.76	65.67	66.58	67.50	68.41
2.0	62.96	63.89	64.81	65.74	66.67	67.59	68.52	69.44	70.37	71.30	72.22
.1	66.69	67.63	68.57	69.51	70.45	71.39	72.33	73.27	74.21	75.15	76.09
.2	70.48	71.44	72.39	73.34	74.30	75.25	76.20	77.16	78.11	79.07	80.02
.3	74.32	75.29	76.26	77.23	78.20	79.18	80.13	81.10	82.07	83.04	84.00
.4	78.22	79.20	80.19	81.17	82.15	83.13	84.11	85.09	86.07	87.05	88.03
.5	82.18	83.17	84.17	85.16	86.16	87.15	88.15	89.15	90.14	91.14	92.14
.6	86.19	87.19	88.20	89.21	90.22	91.23	92.24	93.25	94.26	95.27	96.28
.7	90.25	91.27	92.30	93.32	94.34	95.37	96.39	97.41	98.43	99.46	100.5
.8	94.37	95.41	96.44	97.48	98.52	99.56	100.6	101.6	102.7	103.7	104.7
.9	98.55	99.60	100.7	101.7	102.8	103.8	104.9	105.9	107|0	108|0	109.1

BASE 14 FEET

Side Slopes 1½ : 1

— +

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
3.0	102.8	101.7	100.7	99.58	98.52	97.45	96.39	95.32	94.25	93.19	92.13
.1	107.1	106.0	104.9	103.8	102.8	101.7	100.6	99.51	98.43	97.35	96.27
.2	111.4	110.3	109.2	108.1	107.0	105.9	104.9	103.8	102.7	101.6	100.5
.3	115.8	114.7	113.6	112.5	111.4	110.3	109.2	108.1	107.0	105.8	104.7
.4	120.3	119.1	118.0	116.9	115.8	114.7	113.5	112.4	111.3	110.2	109.1
.5	124.8	123.6	122.5	121.4	120.2	119.1	118.0	116.8	115.7	114.6	113.4
.6	129.3	128.2	127.0	125.9	124.7	123.6	122.5	121.3	120.2	119.0	117.9
.7	134.0	132.8	131.6	130.5	129.3	128.1	127.0	125.8	124.7	123.5	122.3
.8	138.6	137.5	136.3	135.1	133.9	132.8	131.6	130.4	129.2	128.1	126.9
.9	143.4	142.2	141.0	139.8	138.6	137.4	136.2	135.0	133.8	132.7	131.5
4.0	148.2	146.9	145.7	144.5	143.3	142.1	140.9	139.7	138.5	137.3	136.1
.1	153.0	151.8	150.6	149.3	148.1	146.9	145.7	144.5	143.3	142.0	140.8
.2	157.9	156.7	155.4	154.2	153.0	151.7	150.5	149.3	148.0	146.8	145.6
.3	162.8	161.6	160.4	159.1	157.9	156.6	155.4	154.1	152.9	151.6	150.4
.4	167.9	166.6	165.3	164.1	162.8	161.6	160.3	159.0	157.8	156.5	155.3
.5	172.9	171.6	170.4	169.1	167.8	166.6	165.3	164.0	162.7	161.5	160.2
.6	178.0	176.8	175.5	174.2	172.9	171.6	170.3	169.0	167.7	166.5	165.2
.7	183.2	181.9	180.6	179.3	178.0	176.7	175.4	174.1	172.8	171.5	170.2
.8	188.4	187.1	185.8	184.5	183.2	181.9	180.6	179.2	177.9	176.6	175.3
.9	193.7	192.4	191.1	189.7	188.4	187.1	185.8	184.4	183.1	181.8	180.4
5.0	199.1	197.7	196.4	195.1	193.7	192.4	191.0	189.7	188.3	187.0	185.6
.1	204.3	202.9	201.6	200.2	198.9	197.5	196.1	194.8	193.4	192.1	190.7
.2	209.9	208.6	207.2	205.8	204.5	203.1	201.7	200.3	199.0	197.6	196.2
.3	215.4	214.1	212.7	211.3	209.9	208.5	207.1	205.8	204.4	203.0	201.6
.4	221.0	219.6	218.2	216.8	215.4	214.0	212.6	211.2	209.8	208.4	207.0
.5	226.6	225.2	223.8	222.4	221.0	219.6	218.2	216.7	215.3	213.9	212.5
.6	232.3	230.9	229.4	228.0	226.6	225.2	223.7	222.3	220.9	219.5	218.0
.7	238.0	236.6	235.2	233.7	232.3	230.8	229.4	227.9	226.5	225.1	223.6
.8	243.8	242.4	240.9	**239.5**	**238.0**	**236.5**	235.1	233.6	232.2	230.7	229.3
.9	249.7	248.2	246.7	245.3	243.8	242.3	240.9	239.4	237.9	236.5	235.0

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
3.0	102.8	103.8	104.9	106.0	107.0	108.1	109.2	110.2	111.3	112.4	113.4
.1	107.1	108.1	109.2	110.3	111.4	112.5	113.5	114.6	115.7	116.8	117.9
.2	111.4	112.5	113.6	114.7	115.8	116.9	118.0	119.1	120.2	121.2	122.3
.3	115.8	116.9	118.0	119.1	120.2	121.3	122.5	123.6	124.7	125.8	126.9
.4	120.3	121.4	122.5	123.6	124.7	125.9	127.0	128.1	129.2	130.3	131.5
.5	124.8	125.9	127.0	128.2	129.3	130.4	131.6	132.7	133.8	135.0	136.1
.6	129.3	130.5	131.6	132.8	133.9	135.1	136.2	137.4	138.5	139.7	140.8
.7	134.0	135.1	136.3	137.4	138.6	139.8	140.9	142.1	143.3	144.4	145.6
.8	138.6	139.8	141.0	142.2	143.3	144.5	145.7	146.9	148.0	149.2	150.4
.9	143.4	144.6	145.7	146.9	148.1	149.3	150.5	151.7	152.9	154.1	155.3
4.0	148.2	149.4	150.6	151.8	153.0	154.2	155.4	156.6	157.8	159.0	160.2
.1	153.0	154.2	155.4	156.6	157.9	159.1	160.5	161.5	162.7	164.0	165.2
.2	157.9	159.1	160.4	161.6	162.8	164.1	165.3	166.5	167.7	169.0	170.2
.3	162.8	164.1	165.3	166.6	167.8	169.1	170.3	171.6	172.8	174.1	175.3
.4	167.9	169.1	170.4	171.6	172.9	174.2	175.4	176.7	177.9	179.2	180.5
.5	172.9	174.2	175.5	176.7	178.0	179.3	180.6	181.8	183.1	184.4	185.7
.6	178.0	179.3	180.6	181.9	183.2	184.5	185.8	187.1	188.3	189.6	190.9
.7	183.2	184.5	185.8	187.1	188.4	189.7	191.0	192.3	193.6	194.9	196.2
.8	188.4	189.8	191.1	192.4	193.7	195.0	196.3	197.7	199.0	200.3	201.6
.9	193.7	195.1	196.4	197.7	199.1	200.4	201.7	203.0	204.4	205.7	207.0
5.0	199.1	200.4	201.8	203.1	204.5	205.8	207.1	208.5	209.8	211.2	212.5
.1	204.3	205.7	207.2	208.5	209.9	211.3	212.6	214.0	215.3	216.7	218.0
.2	209.9	211.3	212.7	214.0	215.4	216.8	218.2	219.5	220.9	222.3	223.6
.3	215.4	216.8	218.2	219.6	221.0	222.4	223.7	225.1	226.5	227.9	229.3
.4	221.0	222.4	223.8	225.2	226.6	228.0	229.4	230.8	232.2	233.6	235.0
.5	226.6	228.0	229.4	230.9	232.3	233.7	235.1	236.5	237.9	239.3	240.7
.6	232.3	233.7	235.2	236.6	238.0	239.4	240.9	242.3	243.7	245.1	246.6
.7	238.0	239.5	240.9	242.4	243.8	245.2	246.7	248.1	249.6	251.0	252.4
.8	243.8	245.3	246.7	248.2	249.6	251.1	252.5	254.0	255.5	256.9	258.4
.9	249.7	251.1	252.6	254.1	255.5	257.0	258.5	259.9	261.4	262.9	264.3

BASE 16 FEET

Side Slopes 1½ : 1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	2.99	2.24	1.48									.1	2.99	3.75	4.50	5.25	6.01	6.76	7.52	8.27	9.02	9.78	10.53
.2	6.04	5.27	4.50	3.73	2.97							.2	6.04	6.81	7.57	8.34	9.11	9.88	10.65	11.41	12.18	12.95	13.72
.3	9.14	8.36	7.57	6.79	6.01	5.22	4.44					.3	9.14	9.92	10.70	11.49	12.27	13.05	13.84	14.62	15.40	16.18	16.97
.4	12.30	11.50	10.70	9.91	9.11	8.32	7.52	6.72	5.93			.4	12.30	13.09	13.89	14.69	15.48	16.28	17.07	17.87	18.66	19.46	20.26
.5	15.51	14.70	13.89	13.08	12.27	11.46	10.65	9.84	9.03	8.22	7.41	.5	15.51	16.32	17.13	17.94	18.75	19.56	20.37	21.18	21.99	22.80	23.61
.6	18.78	17.95	17.13	16.31	15.48	14.66	13.83	13.01	12.19	11.36	10.54	.6	18.78	19.60	20.43	21.25	22.07	22.90	23.72	24.55	25.37	26.19	27.02
.7	22.10	21.26	20.43	19.59	18.75	17.91	17.17	16.34	15.50	14.66	13.82	.7	22.10	22.94	23.78	24.62	25.45	26.29	27.13	28.07	28.91	29.74	30.58
.8	25.48	24.63	23.78	22.93	22.07	21.22	20.37	19.52	18.67	17.81	16.96	.8	25.48	26.33	27.19	28.04	28.89	29.74	30.59	31.44	32.29	33.14	33.98
.9	28.92	28.05	27.18	26.32	25.45	24.59	23.72	22.85	21.98	21.12	20.25	.9	28.92	29.78	30.65	31.51	32.38	33.25	34.11	34.98	35.84	36.71	37.58
1.0	32.41	31.53	30.65	29.77	28.89	28.01	27.13	26.25	25.37	24.49	23.60	1.0	32.41	33.29	34.17	35.05	35.93	36.81	37.69	38.57	39.45	40.33	41.21
.1	35.95	35.06	34.17	33.27	32.38	31.48	30.59	29.70	28.80	28.01	27.11	.1	35.95	36.85	37.74	38.63	39.53	40.42	41.32	42.21	43.10	44.00	44.89
.2	39.56	38.65	37.74	36.83	35.92	35.02	34.12	33.20	32.29	31.38	30.48	.2	39.56	40.46	41.37	42.29	43.19	44.09	45.00	45.91	46.82	47.73	48.63
.3	43.21	42.29	41.37	40.45	39.52	38.60	37.68	36.77	35.85	34.92	34.00	.3	43.21	44.13	45.06	45.98	46.90	47.82	48.74	49.66	50.59	51.51	52.43
.4	46.93	45.99	45.05	44.12	43.18	42.25	41.31	40.37	39.44	38.50	37.57	.4	46.93	47.86	48.80	49.73	50.67	51.60	52.54	53.48	54.41	55.35	56.28
.5	50.69	49.75	48.80	47.85	46.90	45.95	45.00	44.05	43.10	42.15	41.20	.5	50.69	51.64	52.59	53.54	54.49	55.44	56.39	57.34	58.29	59.24	60.18
.6	54.52	53.56	52.59	51.63	50.77	49.80	48.84	47.88	46.91	45.95	44.99	.6	54.52	55.48	56.44	57.41	58.37	59.33	60.30	61.26	62.22	63.19	64.15
.7	58.40	57.42	56.44	55.47	54.49	53.51	52.54	51.56	50.58	49.61	48.63	.7	58.40	59.38	60.35	61.33	62.31	63.28	64.26	65.24	66.21	67.19	68.17
.8	62.33	61.34	60.35	59.36	58.37	57.38	56.39	55.40	54.41	53.41	52.42	.8	62.33	63.32	64.31	65.31	66.30	67.29	68.28	69.27	70.26	71.25	72.24
.9	66.32	65.32	64.32	63.31	62.31	61.30	60.30	59.30	58.29	57.29	56.28	.9	66.32	67.33	68.33	69.34	70.34	71.34	72.35	73.35	74.36	75.36	76.36
2.0	70.37	69.35	68.33	67.32	66.30	65.28	64.26	63.24	62.23	61.21	60.19	2.0	70.37	71.39	72.41	73.43	74.44	75.46	76.48	77.50	78.52	79.53	80.55
.1	74.47	73.44	72.41	71.38	70.34	69.31	68.28	67.25	66.22	65.18	64.15	.1	74.47	75.50	76.54	77.57	78.60	79.63	80.66	81.70	82.73	83.76	84.79
.2	78.63	77.58	76.54	75.49	74.45	73.40	72.35	71.31	70.26	69.22	68.17	.2	78.63	79.68	80.72	81.77	82.81	83.86	84.91	85.95	87.00	88.04	89.09
.3	82.84	81.78	80.72	79.66	78.60	77.54	76.48	75.42	74.36	73.30	72.24	.3	82.84	83.90	84.96	86.02	87.08	88.14	89.20	90.26	91.32	92.38	93.44
.4	87.11	86.04	84.96	83.89	82.82	81.74	80.67	79.59	78.52	77.45	76.37	.4	87.11	88.19	89.26	90.33	91.41	92.48	93.56	94.63	95.70	96.78	97.85
.5	91.44	90.35	89.26	88.17	87.08	86.00	84.91	83.82	82.73	81.64	80.56	.5	91.44	92.52	93.61	94.70	95.79	96.88	97.96	99.05	100.1	101.2	102.3
.6	95.81	94.71	93.61	92.50	91.40	90.30	89.20	88.10	87.00	85.90	84.79	.6	95.81	96.92	98.02	99.12	100.2	101.3	102.4	103.5	104.6	105.7	106.8
.7	100.3	99.14	98.02	96.91	95.79	94.68	93.56	92.45	91.33	90.22	89.10	.7	100.3	101.4	102.5	103.6	104.7	105.8	106.9	108.1	109.2	110.3	111.4
.8	104.7	103.6	102.5	101.4	100.2	99.09	97.96	96.83	95.70	94.57	93.44	.8	104.7	105.9	107.0	108.1	109.3	110.4	111.5	112.7	113.8	114.9	116.0
.9	109.3	108.2	107.0	105.9	104.7	103.6	102.4	101.3	100.2	99.01	97.87	.9	109.3	110.4	111.6	112.7	113.9	115.0	116.2	117.3	118.4	119.6	120.7

BASE 16 FEET

Side Slopes 1½ : 1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0.
3.0	113.9	112.7	111.6	110.4	109.3	108.1	106.9	105.8	104.6	103.5	102.3
.1	118.6	117.4	116.2	115.0	113.9	112.7	111.5	110.4	109.2	108.0	106.8
.2	123.3	122.1	120.9	119.7	118.5	117.3	116.5	115.0	113.8	112.6	111.4
.3	128.0	126.8	125.6	124.4	123.2	122.0	120.8	119.6	118.4	117.2	116.0
.4	132.9	131.6	130.4	129.2	128.0	126.8	125.6	124.4	123.1	121.9	120.7
.5	137.7	136.5	135.3	134.1	132.8	131.6	130.4	129.1	127.9	126.7	125.5
.6	142.7	141.4	140.2	138.9	137.7	136.5	135.2	134.0	132.7	131.5	130.3
.7	147.7	146.4	145.2	143.9	142.6	141.4	140.1	138.9	137.6	136.4	135.1
.8	152.7	151.4	150.2	148.9	147.6	146.4	145.1	143.8	142.6	141.3	140.0
.9	157.8	156.5	155.2	154.0	152.7	151.4	150.1	148.8	147.6	146.3	144.9
4.0	163.0	161.7	160.4	159.1	157.8	156.5	155.2	153.9	152.6	151.3	150.0
.1	168.2	166.9	165.6	164.3	162.9	161.6	160.3	159.0	157.7	156.4	155.1
.2	173.5	172.1	170.8	169.5	168.2	166.8	165.5	164.2	162.9	161.5	160.2
.3	178.8	177.4	176.1	174.8	173.4	172.1	170.7	169.4	168.1	166.7	165.4
.4	184.2	182.8	181.4	180.1	178.7	177.4	176.0	174.7	173.3	172.0	170.6
.5	189.6	188.2	186.9	185.5	184.1	182.8	181.4	180.0	178.7	177.3	175.9
.6	195.1	193.7	192.3	190.9	189.6	188.2	186.8	185.4	184.0	182.7	181.3
.7	200.6	199.2	197.8	196.4	195.0	193.7	192.3	190.9	189.5	188.1	186.7
.8	206.2	204.8	203.4	202.0	200.6	199.2	197.8	196.4	195.0	193.6	192.2
.9	211.9	210.5	209.4	207.6	206.2	204.8	203.4	201.9	200.5	199.1	197.7
5.0	217.6	216.2	214.7	213.3	211.9	210.4	209.0	207.6	206.1	204.7	203.2
.1	223.4	221.9	220.5	219.0	217.6	216.1	214.7	213.2	211.8	210.3	208.9
.2	229.2	227.7	226.3	224.8	223.3	221.9	220.4	218.9	217.5	216.0	214.6
.3	235.1	233.6	232.1	230.6	229.2	227.7	226.2	224.7	223.3	221.8	220.3
.4	241.0	239.5	238.0	236.5	235.0	233.6	232.1	230.6	229.1	227.6	226.1
.5	247.0	245.5	244.0	242.5	241.0	239.5	238.0	236.5	235.0	233.5	231.9
.6	253.0	251.5	250.0	248.5	247.0	245.4	243.9	242.4	240.9	239.4	237.9
.7	259.1	257.6	256.1	254.5	253.0	251.5	250.0	248.4	246.9	245.4	243.8
.8	265.3	263.8	262.2	260.7	259.1	257.5	256.0	254.5	252.9	251.4	249.8
.9	271.5	270.0	268.4	266.8	265.3	263.7	262.2	260.6	259.0	257.5	255.9

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0.
3.0	113.9	115.1	116.2	117.4	118.5	119.7	120.8	122.0	123.2	124.3	125.5
.1	118.6	119.7	120.9	122.1	123.2	124.4	125.6	126.7	127.9	129.1	130.3
.2	123.3	124.4	125.6	126.8	128.0	129.2	130.4	131.6	132.7	133.9	135.1
.3	128.0	129.2	130.4	131.6	132.8	134.0	135.2	136.4	137.6	138.8	140.0
.4	132.9	134.1	135.3	136.5	137.7	138.9	140.1	141.4	142.6	143.8	144.9
.5	137.7	139.0	140.2	141.4	142.6	143.9	145.1	146.3	147.6	148.8	150.0
.6	142.7	143.9	145.2	146.4	147.6	148.9	150.1	151.4	152.6	153.8	155.1
.7	147.7	148.9	150.2	151.4	152.7	153.9	155.2	156.4	157.7	159.0	160.2
.8	152.7	154.0	155.2	156.5	157.8	159.1	160.3	161.6	162.9	164.1	165.4
.9	157.8	159.1	160.4	161.7	162.9	164.2	165.5	166.8	168.1	169.3	170.6
4.0	163.0	164.3	165.6	166.9	168.2	169.5	170.8	172.1	173.4	174.7	176.0
.1	168.2	169.5	171.8	172.1	173.4	174.9	176.0	177.4	178.7	180.0	181.3
.2	173.5	174.8	176.1	177.4	178.7	180.1	181.4	182.7	184.0	185.4	186.7
.3	178.8	180.1	181.4	182.8	184.1	185.5	186.8	188.1	189.5	190.8	192.2
.4	184.2	185.5	186.9	188.2	189.6	190.9	192.3	193.6	195.0	196.3	197.7
.5	189.6	191.0	192.3	193.7	195.1	196.4	197.8	199.1	200.5	201.9	203.2
.6	195.1	196.5	197.8	199.2	200.6	202.0	203.4	204.7	206.1	207.5	208.9
.7	200.6	202.0	203.4	204.8	206.2	207.6	209.0	210.4	211.8	213.2	214.6
.8	206.2	207.6	209.0	210.4	211.9	213.3	214.7	216.1	217.5	218.9	220.3
.9	211.9	213.3	214.7	216.1	217.6	219.0	220.4	221.8	223.3	224.7	226.1
5.0	217.6	219.0	220.5	221.9	223.3	224.8	226.2	227.6	229.1	230.5	231.9
.1	223.4	224.8	226.3	227.7	229.2	230.6	232.1	233.5	235.0	236.4	237.9
.2	229.2	230.7	232.1	233.6	235.0	236.5	238.0	239.4	240.9	242.4	243.8
.3	235.1	236.5	238.0	239.5	241.0	242.5	243.9	245.4	246.9	248.4	249.8
.4	241.0	242.5	244.0	245.5	247.0	248.5	250.0	251.4	252.9	254.4	255.9
.5	247.0	248.5	250.0	251.5	253.0	254.5	256.0	257.5	259.0	260.5	262.0
.6	253.0	254.6	256.1	257.6	259.1	260.6	262.2	263.7	265.2	266.7	268.2
.7	259.1	260.7	262.2	263.7	265.3	266.8	268.3	269.9	271.4	272.9	274.5
.8	265.3	266.8	268.4	269.9	271.5	273.0	274.6	276.1	277.7	279.2	280.8
.9	271.5	273.1	274.6	276.2	277.8	279.3	280.9	282.4	284.0	285.6	287.1

BASE 18 FEET

Side Slopes 1½ : 1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	3.36	2.51	1.67								
.2	6.78	5.92	5.06	4.19	3.33						
.3	10.25	9.38	8.50	7.63	6.75	5.88	5.00				
.4	13.78	12.89	12.00	11.11	10.22	9.33	8.44	7.55	6.67		
.5	17.36	16.46	15.56	14.65	13.75	12.85	11.94	11.04	10.14	9.23	8.33
.6	21.00	20.08	19.17	18.25	17.33	16.42	15.50	14.58	13.66	12.75	11.83
.7	24.70	23.77	22.84	21.91	20.98	20.05	19.12	18.19	17.26	16.33	15.40
.8	28.44	27.50	26.55	25.61	24.66	23.72	22.77	21.83	20.88	19.94	18.99
.9	32.25	31.29	30.33	29.37	28.41	27.46	26.50	25.54	24.58	23.62	22.66
1.0	36.11	35.14	34.17	33.20	32.22	31.25	30.28	29.31	28.34	27.36	26.39
.1	40.03	39.04	38.06	37.07	36.08	35.10	34.11	33.13	32.14	31.15	30.17
.2	44.00	43.00	42.00	41.00	40.00	39.00	38.00	37.00	36.00	35.00	34.00
.3	48.03	47.01	46.00	44.99	43.97	42.96	41.94	40.93	39.92	38.90	37.89
.4	52.11	51.08	50.06	49.03	48.00	46.98	45.95	44.92	43.90	42.87	41.84
.5	56.25	55.21	54.17	53.13	52.09	51.05	50.00	48.96	47.92	46.88	45.84
.6	60.44	59.39	58.33	57.28	56.22	55.16	54.12	53.05	52.00	50.94	49.88
.7	64.69	63.63	62.56	61.49	60.42	59.35	58.28	57.21	56.14	55.07	54.00
.8	69.00	67.92	66.83	65.75	64.66	63.58	62.50	61.41	60.33	59.24	58.16
.9	73.36	72.26	71.17	70.07	68.97	67.88	66.78	65.68	64.59	63.49	62.39
2.0	77.78	76.67	75.56	74.44	73.33	72.22	71.11	70.00	68.89	67.78	66.67
.1	82.25	81.13	80.00	78.88	77.75	76.63	75.50	74.38	73.25	72.13	71.00
.2	86.78	85.64	84.50	83.36	82.22	81.08	79.94	78.80	77.67	76.53	75.39
.3	91.36	90.21	89.06	88.91	87.75	86.60	85.44	84.29	83.14	81.99	80.84
.4	96.00	94.83	93.67	92.50	91.33	90.17	89.00	87.83	86.66	85.49	84.33
.5	100.7	99.51	98.33	97.50	95.97	94.79	93.61	92.43	91.25	90.07	88.88
.6	105.4	104.3	103.1	101.9	100.7	99.49	98.28	97.09	95.89	94.70	93.50
.7	110.3	109.0	107.8	106.6	105.4	104.2	103.0	101.8	100.6	99.38	98.17
.8	115.1	113.9	112.7	111.5	110.2	109.0	107.8	106.6	105.3	104.1	102.9
.9	120.0	118.8	117.6	116.3	115.1	113.8	112.6	111.4	110.1	108.9	107.7
3.0	125.0	123.8	122.5	121.3	120.0	118.8	117.5	116.3	115.0	113.8	112.5
.1	130.0	128.8	127.5	126.2	125.0	123.7	122.4	121.2	119.9	118.7	117.4
.2	135.1	133.8	132.6	131.3	130.0	128.7	127.4	126.2	124.9	123.1	122.3
.3	140.3	139.0	137.7	136.4	135.1	133.8	132.5	131.2	129.9	128.6	127.3
.4	145.4	144.1	142.8	141.5	140.2	138.9	137.6	136.3	135.0	133.7	132.4
.5	150.7	149.4	148.1	146.7	145.4	144.1	142.8	141.5	140.1	138.8	137.5
.6	156.0	154.7	153.3	152.0	150.7	149.3	148.0	146.7	145.3	144.0	142.7
.7	161.4	160.0	158.7	157.3	156.0	154.6	153.3	151.9	150.6	149.2	147.9
.8	166.8	165.4	164.1	162.7	161.3	160.0	158.6	157.3	155.9	154.5	153.2
.9	172.3	170.9	169.5	168.1	166.8	165.4	164.0	162.6	161.3	159.9	158.5

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	3.36	4.21	5.05	5.90	6.75	7.60	8.44	9.29	10.14	10.98	11.83
.2	6.78	7.63	8.50	9.36	10.22	11.08	11.94	12.80	13.67	14.53	15.39
.3	10.25	11.13	12.00	12.88	13.75	14.63	15.50	16.38	17.25	18.13	19.00
.4	13.78	14.67	15.56	16.44	17.33	18.22	19.11	20.00	20.89	21.78	22.67
.5	17.36	18.26	19.17	20.07	20.97	21.88	22.78	23.68	24.59	25.49	26.39
.6	21.00	21.92	22.83	23.75	24.67	25.48	26.40	27.32	28.24	29.15	30.07
.7	24.70	25.63	26.56	27.49	28.42	29.35	30.28	31.21	32.14	33.07	34.00
.8	28.44	29.39	30.33	31.28	32.22	33.17	34.11	35.07	36.01	36.96	37.90
.9	32.25	33.21	34.17	35.13	36.08	37.04	38.00	38.96	39.92	40.88	41.84
1.0	36.11	37.08	38.06	39.03	40.00	40.97	41.94	42.92	43.89	44.86	45.83
.1	40.03	41.01	42.00	42.99	43.97	44.97	45.95	46.94	47.93	48.91	49.90
.2	44.00	45.00	46.00	47.00	48.00	49.00	50.00	51.00	52.00	53.00	54.00
.3	48.03	49.04	50.06	51.07	52.08	53.10	54.11	55.13	56.14	57.15	58.17
.4	52.11	53.14	54.17	55.19	56.22	57.25	58.28	59.30	60.33	61.36	62.38
.5	56.25	57.29	58.33	59.38	60.42	61.46	62.50	63.54	64.58	65.62	66.66
.6	60.44	61.50	62.56	63.61	64.67	65.72	66.78	67.84	68.89	69.95	71.00
.7	64.69	65.76	66.83	67.90	68.97	70.04	71.11	72.18	73.25	74.32	75.38
.8	69.00	70.08	71.17	72.25	73.33	74.43	75.51	76.60	77.68	78.76	79.85
.9	73.36	74.46	75.56	76.65	77.75	78.85	79.94	81.04	82.14	83.23	84.33
2.0	77.78	78.89	80.00	81.11	82.22	83.33	84.44	85.56	86.67	87.78	88.89
.1	82.25	83.38	84.50	85.63	86.75	87.88	89.00	90.13	91.25	92.38	93.50
.2	86.78	87.92	89.06	90.19	91.33	92.47	93.61	94.75	95.89	97.03	98.17
.3	91.36	92.51	93.67	94.82	95.97	97.12	98.27	99.43	100.6	101.7	102.9
.4	96.00	97.17	98.33	99.50	100.7	101.8	103.0	104.2	105.3	106.5	107.7
.5	100.7	101.9	103.1	104.2	105.4	106.6	107.8	109.0	110.1	111.3	112.5
.6	105.4	106.6	107.8	109.0	110.2	111.4	112.6	113.8	115.0	116.2	117.4
.7	110.3	111.5	112.7	113.9	115.1	116.3	117.5	118.7	119.9	121.1	122.3
.8	115.1	116.3	117.6	118.8	120.0	121.2	122.4	123.7	124.9	126.1	127.3
.9	120.0	121.3	122.5	123.7	125.0	126.2	127.5	128.7	129.9	131.2	132.4
3.0	125.0	126.3	127.5	128.8	130.0	131.3	132.5	133.8	135.0	136.3	137.5
.1	130.0	131.3	132.6	133.8	135.1	136.4	137.6	138.9	140.1	141.4	142.7
.2	135.1	136.4	137.7	138.9	140.2	141.5	142.8	144.1	145.3	146.6	147.9
.3	140.3	141.5	142.8	144.1	145.4	146.7	148.0	149.3	150.6	151.9	153.2
.4	145.4	146.8	148.1	149.4	150.7	152.0	153.3	154.6	155.9	157.2	158.5
.5	150.7	152.0	153.3	154.7	156.0	157.3	158.6	159.9	161.3	162.6	163.9
.6	156.0	157.3	158.7	160.0	161.3	162.9	164.0	165.3	166.7	168.0	169.3
.7	161.4	162.7	164.1	165.4	166.8	168.1	169.4	170.8	172.1	173.5	174.8
.8	166.8	168.1	169.5	170.9	172.2	173.6	174.9	176.3	177.7	179.1	180.4
.9	172.3	173.6	175.0	176.4	177.8	179.1	180.5	181.9	183.3	184.6	186.0

BASE 18 FEET

Side Slopes 1½ : 1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
4.0	177.8	176.4	175.0	173.6	172.2	170.8	169.4	168.1	166.7	165.3	163.9
.1	183.4	182.0	180.6	179.2	177.8	176.4	174.9	173.5	172.1	170.7	169.3
.2	189.0	187.6	186.2	184.8	183.3	181.9	180.5	179.1	177.7	176.2	174.8
.3	194.7	193.3	191.8	190.4	189.0	187.5	186.1	184.7	183.2	181.8	180.4
.4	200.4	199.0	197.6	196.1	194.7	193.2	191.8	190.3	188.9	187.5	186.0
.5	206.3	204.8	203.3	201.9	200.4	199.0	197.5	196.0	194.6	193.1	191.7
.6	212.1	210.6	209.2	207.7	206.2	204.8	203.3	201.8	200.3	198.9	197.4
.7	218.0	216.5	215.1	213.6	212.1	210.6	209.1	207.6	206.1	204.7	203.2
.8	224.0	222.5	221.0	219.5	218.0	216.5	215.0	213.5	212.0	210.5	209.0
.9	230.0	228.5	227.0	225.5	224.0	222.5	220.9	219.4	217.9	216.4	214.9
5.0	236.1	234.6	233.1	231.5	230.0	228.5	226.9	225.4	223.9	222.4	220.8
.1	242.3	240.7	239.2	237.6	236.1	234.6	233.0	231.5	229.9	227.4	226.8
.2	248.4	246.9	245.2	243.7	242.1	240.6	239.0	237.4	235.9	234.3	232.8
.3	254.7	253.1	251.6	250.0	248.4	246.8	245.6	243.7	242.1	240.6	239.0
.4	261.0	259.4	257.8	256.3	254.7	253.1	251.5	249.9	248.3	246.7	245.2
.5	267.4	265.8	264.2	262.6	261.0	259.4	257.8	256.2	254.6	253.0	251.4
.6	273.8	272.2	270.6	269.0	267.3	265.7	264.1	262.5	260.9	259.3	257.7
.7	280.3	278.6	277.0	275.4	273.8	272.1	270.5	268.9	267.3	265.6	264.0
.8	286.8	285.1	283.5	281.9	280.2	278.6	276.9	275.3	273.7	272.0	270.4
.9	293.4	291.7	290.1	288.4	286.8	285.1	283.5	281.8	280.2	278.5	276.8
6.0	300.0	298.3	296.7	295.0	293.3	291.7	290.0	288.3	286.7	285.0	283.3
.1	306.7	305.0	303.3	301.7	300.0	298.3	296.6	294.9	293.3	291.5	289.9
.2	313.4	311.8	310.1	308.4	306.7	305.0	303.3	301.6	299.9	298.2	296.5
.3	320.3	318.5	316.8	315.1	313.4	311.7	310.0	308.3	306.6	304.9	303.2
.4	327.1	325.4	323.6	321.9	320.2	318.5	316.8	315.1	313.3	311.6	309.9
.5	334.0	332.3	330.6	328.8	327.1	325.4	323.6	321.9	320.1	318.4	316.7
.6	341.0	339.3	337.5	335.8	334.0	332.2	330.5	328.8	327.0	325.3	323.5
.7	348.0	346.3	344.5	342.7	341.0	339.2	337.4	335.7	333.9	332.2	330.4
.8	355.1	353.3	351.6	349.8	348.0	346.3	344.5	342.7	340.9	339.1	337.3
.9	362.3	360.5	358.7	356.9	355.1	353.3	351.5	349.7	347.9	346.1	344.3
7.0	369.4	367.6	365.8	364.0	362.2	360.4	358.6	356.8	355.0	353.2	351.4
.1	376.7	374.9	373.1	371.2	369.4	367.6	365.8	364.0	362.1	360.3	358.5
.2	384.0	382.2	380.3	378.5	376.7	374.8	373.0	371.2	369.3	367.5	365.7
.3	391.4	389.5	387.7	385.8	384.0	382.1	380.3	378.4	376.6	374.7	372.9
.4	398.8	396.9	395.1	393.2	391.3	389.5	387.1	385.8	383.9	382.0	380.2
.5	406.3	404.4	402.5	400.6	398.8	396.9	395.1	393.1	391.3	389.4	387.5
.6	413.8	411.9	410.0	408.1	406.2	404.3	402.4	400.6	398.7	396.8	394.9
.7	421.4	419.5	417.6	415.7	413.8	411.9	409.9	408.0	406.1	404.2	402.3
.8	429.0	427.1	425.2	423.3	421.3	419.4	417.5	415.6	413.7	411.8	409.8
.9	436.7	434.8	432.8	430.9	429.0	427.0	425.1	423.2	421.3	419.3	417.4

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
4.0	177.8	179.2	180.6	181.9	183.3	184.7	186.1	187.5	188.9	190.3	191.7
.1	183.4	184.8	186.2	187.6	189.0	190.4	191.8	193.2	194.6	196.0	197.4
.2	189.0	190.4	191.8	193.3	194.7	196.1	197.5	198.9	200.3	201.8	203.2
.3	194.7	196.1	197.6	199.0	200.4	201.9	203.3	204.7	206.1	207.6	209.0
.4	200.4	201.9	203.3	204.8	206.2	207.7	209.1	210.5	212.0	213.4	214.9
.5	206.3	207.7	209.2	210.6	212.1	213.5	215.0	216.5	217.9	219.4	220.8
.6	212.1	213.6	215.1	216.5	218.0	219.5	220.9	222.4	223.9	225.4	226.8
.7	218.0	219.5	221.0	222.5	224.0	225.5	226.9	228.4	229.9	231.4	232.9
.8	224.0	225.5	227.0	228.5	230.0	231.5	233.0	234.5	236.0	237.5	239.0
.9	230.0	231.5	233.1	234.6	236.1	237.6	239.1	240.6	242.1	243.7	245.2
5.0	236.1	237.6	239.2	240.7	242.2	243.8	245.3	246.8	248.3	249.9	251.4
.1	242.3	243.8	245.3	246.9	248.4	250.0	251.5	253.0	254.6	256.1	257.7
.2	248.4	250.0	251.6	253.1	254.7	256.2	257.8	259.3	260.9	262.5	264.0
.3	254.7	256.3	257.8	259.4	261.0	262.5	264.1	265.7	267.3	268.8	270.4
.4	261.0	262.6	264.2	265.8	266.3	267.9	269.5	271.1	272.7	273.3	274.8
.5	267.4	269.0	270.6	272.2	273.8	275.4	276.9	278.5	280.1	281.7	283.3
.6	273.8	275.4	277.0	278.6	280.2	281.8	283.4	285.1	286.7	288.3	290.0
.7	280.3	281.9	283.5	285.1	286.8	288.4	290.0	291.6	293.4	295.0	296.6
.8	286.8	288.4	290.1	291.7	293.3	295.0	296.6	298.3	299.9	301.5	303.2
.9	293.4	295.0	296.7	298.3	300.0	301.6	303.3	304.9	306.6	308.2	309.9
6.0	300.0	301.7	303.3	305.0	306.7	308.3	310.0	311.9	313.3	315.0	316.7
.1	306.7	308.4	310.1	311.7	313.5	315.1	316.8	318.5	320.1	321.8	323.5
.2	313.4	315.1	316.8	318.6	320.2	321.9	323.6	325.3	327.0	328.7	330.4
.3	320.3	322.0	323.7	325.4	327.1	328.8	330.5	332.2	333.9	335.6	337.3
.4	327.1	328.8	330.6	332.3	334.0	335.7	337.5	339.2	340.9	342.6	344.3
.5	334.0	335.8	337.5	339.2	341.0	342.7	344.5	346.2	347.9	349.7	351.4
.6	341.0	342.8	344.5	346.3	348.0	349.8	351.5	353.3	355.0	356.8	358.5
.7	348.0	349.8	351.6	353.3	355.1	356.9	358.6	360.4	362.1	363.9	365.7
.8	355.1	356.9	358.7	360.4	362.2	364.0	365.8	367.6	369.3	371.1	372.9
.9	362.3	364.0	365.8	367.6	369.4	371.2	373.0	374.8	376.6	378.4	380.2
7.0	369.4	371.3	373.1	374.9	376.7	378.5	380.3	382.1	383.9	385.7	387.5
.1	376.7	378.5	380.3	382.2	384.0	385.8	387.6	389.4	391.3	393.1	394.9
.2	384.0	385.8	387.7	389.5	391.3	393.2	395.0	396.8	398.7	400.5	402.3
.3	391.4	393.2	395.1	396.9	398.8	400.6	402.4	404.3	406.1	408.0	409.8
.4	398.8	400.6	402.5	404.4	406.2	408.1	409.9	411.8	413.7	415.5	417.4
.5	406.3	408.1	410.0	411.9	413.8	415.6	417.5	419.4	421.3	423.1	425.0
.6	413.8	415.7	417.6	419.4	421.3	423.2	425.1	427.0	428.9	430.8	432.7
.7	421.4	423.3	425.2	427.1	428.9	430.9	432.8	434.7	436.6	438.5	440.4
.8	429.0	430.9	432.8	434.8	436.7	438.6	440.5	442.4	444.3	446.3	448.2
.9	436.7	438.6	440.6	442.5	444.4	446.4	448.3	450.2	452.1	454.1	456.0

BASE 20 FEET

Side Slopes 1½ : 1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	3.73	2.78	1.85								
.2	7.52	6.56	5.61	4.66	3.70						
.3	11.36	10.39	9.43	8.46	7.49	6.52	5.56				
.4	15.26	14.28	13.30	12.31	11.33	10.35	9.37	8.39	7.40		
.5	19.21	18.22	17.22	16.23	15.23	14.23	13.24	12.24	11.25	10.25	9.26
.6	23.22	22.21	21.20	20.19	19.18	18.18	17.17	16.16	15.15	14.14	13.13
.7	27.29	26.26	25.24	24.22	23.19	22.17	21.15	20.13	19.10	18.08	17.06
.8	31.40	30.37	29.33	28.30	27.26	26.22	25.19	24.15	23.11	22.07	21.04
.9	35.58	34.53	33.48	32.43	31.38	30.33	29.28	28.23	27.18	26.12	25.07
1.0	39.82	38.74	37.68	36.62	35.56	34.49	33.44	32.37	31.30	30.24	29.19
.1	44.10	43.02	41.94	40.87	39.79	38.71	37.63	36.55	35.47	34.39	33.31
.2	48.44	47.35	46.26	45.17	44.07	42.98	41.89	40.79	39.70	38.61	37.52
.3	52.84	51.74	50.63	49.52	48.42	47.31	46.20	45.10	43.99	42.89	41.78
.4	57.30	56.17	55.06	53.94	52.81	51.69	50.57	49.45	48.33	47.21	46.09
.5	61.81	60.67	59.54	58.40	57.27	56.13	55.00	53.87	52.73	51.60	50.46
.6	66.37	65.22	64.07	62.93	61.78	60.63	59.48	58.33	57.19	56.04	54.89
.7	70.99	69.83	68.67	67.51	66.34	65.18	64.02	62.56	61.70	60.54	59.38
.8	75.67	74.49	73.31	72.14	70.96	69.79	68.61	67.44	66.26	65.09	63.91
.9	80.40	79.21	78.02	76.83	75.64	74.45	73.26	72.07	70.88	69.69	68.50
2.0	85.19	83.98	82.78	81.57	80.37	79.16	77.96	76.76	75.55	74.35	73.15
.1	90.02	88.81	87.59	86.37	85.15	83.94	82.72	81.50	80.28	79.06	77.85
.2	94.92	93.69	92.46	91.23	90.00	88.77	87.53	86.30	85.07	83.84	82.61
.3	99.88	98.63	97.39	96.14	94.90	93.65	92.41	91.16	89.92	88.67	87.43
.4	104.9	103.6	102.4	101.1	99.85	98.59	97.33	96.07	94.81	93.55	92.29
.5	110.0	108.7	107.4	106.1	104.9	103.6	102.3	101.0	99.78	98.51	97.23
.6	115.1	113.8	112.5	111.2	109.9	108.6	107.4	106.1	104.8	103.5	102.2
.7	120.3	119.0	117.7	116.4	115.0	113.7	112.4	111.1	109.8	108.5	107.2
.8	125.5	124.2	122.9	121.5	120.2	118.9	117.6	116.3	115.0	113.7	112.3
.9	130.8	129.4	128.1	126.8	125.5	124.1	122.8	121.5	120.2	118.8	117.5
3.0	136.1	134.8	133.4	132.1	130.7	129.4	128.1	126.7	125.4	124.0	122.7
.1	141.5	140.2	138.8	137.4	136.1	134.7	133.4	132.0	130.7	129.3	128.0
.2	147.0	145.6	144.2	142.9	141.5	140.1	138.7	137.4	136.0	134.6	133.3
.3	152.5	151.1	149.7	148.3	146.9	145.6	144.2	142.8	141.4	140.0	138.6
.4	158.0	156.6	155.2	153.8	152.5	151.1	149.7	148.3	146.9	145.5	144.1
.5	163.7	162.3	160.8	159.4	158.0	156.6	155.2	153.8	152.4	151.0	149.6
.6	169.3	167.9	166.5	165.1	163.6	162.2	160.8	159.4	157.9	156.5	155.1
.7	175.1	173.6	172.2	170.7	169.3	167.9	166.4	165.0	163.5	162.1	160.7
.8	180.9	179.4	177.9	176.5	175.0	173.6	172.1	170.7	169.2	167.8	166.3
.9	186.7	185.2	183.8	182.3	180.8	179.4	177.9	176.4	175.0	173.5	172.0

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
0.1	3.73	4.67	5.61	6.55	7.49	8.43	9.37	10.31	11.25	12.19	13.13
.2	7.52	8.47	9.43	10.38	11.33	12.29	13.24	14.19	15.15	16.10	17.06
.3	11.36	12.33	13.30	14.26	15.23	16.20	17.16	18.13	19.11	20.08	21.04
.4	15.26	16.24	17.22	18.20	19.18	20.16	21.15	22.13	23.11	24.09	25.07
.5	19.21	20.21	21.20	22.20	23.19	24.19	25.18	26.18	27.17	28.17	29.16
.6	23.22	24.23	25.24	26.25	27.26	28.27	29.28	30.29	31.29	32.30	33.31
.7	27.28	28.32	29.34	30.37	31.39	32.41	33.43	34.46	35.48	36.50	37.53
.8	31.40	32.44	33.48	34.52	35.56	36.59	37.63	38.67	39.70	40.74	41.77
.9	35.58	36.63	37.69	38.73	39.79	40.84	41.89	42.95	44.00	45.05	46.10
1.0	39.82	40.88	41.94	43.01	44.07	45.14	46.20	47.26	48.33	49.39	50.46
.1	44.10	45.18	46.26	47.33	48.41	49.49	50.57	51.65	52.73	53.81	54.89
.2	48.44	49.54	50.63	51.72	52.81	53.91	55.00	56.09	57.19	58.28	59.37
.3	52.84	53.95	55.06	56.16	57.27	58.38	59.48	60.59	61.70	62.80	63.91
.4	57.30	58.41	59.54	60.66	61.78	62.90	64.02	65.14	66.26	67.38	68.50
.5	61.81	62.94	64.07	65.21	66.34	67.48	68.61	69.74	70.88	72.01	73.15
.6	66.37	67.52	68.67	69.81	70.96	72.11	73.26	74.41	75.55	76.70	77.85
.7	70.99	72.15	73.31	74.48	75.64	76.80	77.96	79.12	80.29	81.46	82.62
.8	75.67	76.84	78.02	79.19	80.37	81.54	82.71	83.89	85.06	86.24	87.42
.9	80.40	81.59	82.78	83.97	85.16	86.34	87.53	88.72	89.91	91.10	92.29
2.0	85.19	86.39	87.59	88.80	90.00	91.20	92.41	93.61	94.82	96.02	97.22
.1	90.02	91.24	92.46	93.68	94.90	96.12	97.33	98.65	99.87	101.1	102.3
.2	94.92	96.16	97.39	98.62	99.85	101.1	102.3	103.6	104.8	106.0	107.2
.3	99.88	101.1	102.4	103.6	104.9	106.1	107.4	108.6	109.8	111.1	112.3
.4	104.9	106.2	107.4	108.7	109.9	111.2	112.5	113.7	115.0	116.2	117.5
.5	110.0	111.2	112.5	113.8	115.0	116.3	117.6	118.9	120.1	121.4	122.7
.6	115.1	116.4	117.7	118.9	120.2	121.5	122.8	124.1	125.4	126.7	127.9
.7	120.3	121.6	122.9	124.2	125.5	126.8	128.1	129.4	130.7	132.0	133.3
.8	125.5	126.8	128.1	129.4	130.7	132.1	133.4	134.7	136.0	137.3	138.6
.9	130.8	132.1	133.4	134.8	136.1	137.4	138.7	140.1	141.4	142.7	144.0
3.0	136.1	137.5	138.8	140.1	141.5	142.8	144.2	145.5	146.9	148.2	149.5
.1	141.5	142.9	144.2	145.6	146.9	148.3	149.7	151.0	152.4	153.7	155.1
.2	147.0	148.3	149.7	151.1	152.5	153.8	155.2	156.6	157.9	159.3	160.7
.3	152.5	153.9	155.2	156.6	158.0	159.4	160.8	162.2	163.5	164.9	166.3
.4	158.0	159.4	160.8	162.2	163.6	165.0	166.4	167.8	169.2	170.6	172.0
.5	163.7	165.1	166.5	167.9	169.3	170.7	172.1	173.5	174.9	176.4	177.8
.6	169.3	170.8	172.2	173.6	175.0	176.5	177.9	179.3	180.7	182.2	183.6
.7	175.1	176.5	177.9	179.4	180.8	182.3	183.7	185.1	186.6	188.0	189.5
.8	180.9	182.3	183.8	185.2	186.7	188.1	189.6	191.0	192.5	193.9	195.4
.9	186.7	188.2	189.6	191.1	192.6	194.0	195.5	197.0	198.4	199.9	201.4

BASE 20 FEET

Side Slopes 1½ : 1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
4.0	192.6	191.1	189.6	188.2	186.7	185.2	183.7	182.2	180.7	179.3	177.8
.1	198.6	197.0	195.4	193.8	192.5	190.6	189.0	187.3	185.8	184.2	182.7
.2	204.6	203.1	201.5	200.0	198.5	197.0	195.5	194.0	192.5	191.0	189.5
.3	210.6	209.1	207.6	206.1	204.5	203.0	201.5	200.0	198.4	196.9	195.4
.4	216.7	215.2	213.7	212.1	210.6	209.1	207.5	206.0	204.4	202.9	201.4
.5	222.9	221.4	219.8	218.3	216.7	215.2	213.6	212.1	210.5	209.0	207.4
.6	229.2	227.6	226.0	224.5	222.9	221.3	219.8	218.2	216.6	215.1	213.5
.7	235.4	233.9	232.3	230.7	229.1	227.6	226.0	224.4	222.8	221.2	219.7
.8	241.8	240.2	238.6	237.0	235.4	233.8	232.2	230.6	229.0	227.4	225.9
.9	248.2	246.6	245.0	243.4	241.8	240.1	238.5	236.9	235.3	233.7	232.1
5.0	254.6	253.0	251.4	249.8	248.2	246.5	244.9	243.3	241.7	240.1	238.4
.1	261.1	259.5	257.9	256.2	254.6	253.0	251.3	249.7	248.1	246.4	244.8
.2	267.7	266.1	264.4	262.8	261.1	259.5	257.8	256.2	254.5	252.9	251.2
.3	274.3	272.7	271.0	269.3	267.7	266.0	264.4	262.7	261.0	259.4	257.7
.4	281.0	279.3	277.7	276.0	274.3	272.6	271.0	269.3	267.6	265.9	264.3
.5	287.7	286.0	284.4	282.7	281.0	279.3	277.6	275.9	274.2	272.5	270.8
.6	294.5	292.8	291.1	289.4	287.7	286.0	284.3	282.6	280.9	279.2	277.5
.7	301.4	299.6	297.9	296.2	294.5	292.8	291.1	289.3	287.6	285.9	284.2
.8	308.3	306.5	304.8	303.1	301.3	299.6	297.9	296.1	294.4	292.7	290.9
.9	315.2	313.5	311.7	310.0	308.2	306.5	304.7	303.0	301.3	299.5	297.8
6.0	322.2	320.5	318.7	316.9	315.2	313.4	311.7	309.9	308.2	306.4	304.6
.1	329.3	327.5	325.7	324.0	322.2	320.4	318.7	316.9	315.1	313.3	311.6
.2	336.4	334.6	332.8	331.1	329.3	327.5	325.7	323.9	322.1	320.3	318.5
.3	343.6	341.8	340.0	338.2	336.4	334.6	332.8	331.0	329.2	327.4	325.6
.4	350.8	349.0	347.2	345.4	343.6	341.7	339.9	338.1	336.3	334.5	332.6
.5	358.1	356.3	354.4	352.6	350.8	349.0	347.1	345.3	343.5	341.6	339.8
.6	365.4	363.6	361.8	359.9	358.1	356.2	354.4	352.5	350.7	348.9	347.0
.7	372.8	371.0	369.1	367.3	365.4	363.6	361.7	359.8	358.0	356.1	354.3
.8	380.3	378.4	376.6	374.7	372.8	370.9	369.1	367.2	365.3	363.5	361.6
.9	387.8	385.9	384.0	382.2	380.3	378.4	376.5	374.6	372.7	370.9	369.0
7.0	395.4	393.5	391.6	389.7	387.8	385.9	384.0	382.1	380.2	378.3	376.4
.1	403.0	401.1	399.2	397.3	395.3	393.4	391.5	389.6	387.7	385.8	383.9
.2	410.7	408.7	406.8	404.9	403.0	401.0	399.1	397.2	395.3	393.3	391.4
.3	418.4	416.5	414.5	412.6	410.6	408.7	406.8	404.8	402.9	400.9	399.0
.4	426.2	424.2	422.3	420.3	418.4	416.4	414.5	412.5	410.6	408.6	406.7
.5	434.1	432.1	430.1	428.1	426.2	424.2	422.2	420.3	418.3	416.3	414.4
.6	441.9	439.9	438.0	436.0	434.0	432.0	430.0	428.1	426.1	424.1	422.1
.7	449.9	447.9	445.9	443.9	441.9	439.9	437.9	435.9	433.9	431.9	429.9
.8	457.9	455.9	453.9	451.9	449.9	447.8	445.8	443.8	441.8	439.8	437.8
.9	466.0	463.9	461.9	459.9	457.9	455.8	453.8	451.8	449.8	447.8	445.8

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
4.0	192.6	194.1	195.6	197.0	198.6	200.1	201.5	203.0	204.5	206.0	207.5
.1	198.6	200.0	201.5	203.0	204.5	206.0	207.5	209.0	210.5	212.0	213.5
.2	204.6	206.1	207.6	209.1	210.6	212.1	213.6	215.1	216.6	218.1	219.7
.3	210.6	212.1	213.7	215.2	216.7	218.2	219.8	221.3	222.8	224.3	225.9
.4	216.7	218.3	219.8	221.4	222.9	224.4	226.0	227.5	229.0	230.6	232.1
.5	222.9	224.5	226.0	227.6	229.1	230.7	232.2	233.8	235.3	236.9	238.4
.6	229.1	230.7	232.3	233.8	235.4	237.0	238.5	240.1	241.7	243.2	244.8
.7	235.4	237.0	238.6	240.2	241.7	243.3	244.9	246.5	248.1	249.6	251.2
.8	241.8	243.4	245.0	246.6	248.2	249.7	251.3	252.9	254.5	256.1	257.7
.9	248.2	249.8	251.4	253.0	254.6	256.2	257.8	259.4	261.0	262.7	264.2
5.0	254.6	256.3	257.9	259.5	261.1	262.7	264.4	266.0	267.6	269.2	270.8
.1	261.1	262.8	264.4	266.0	267.7	269.3	270.9	272.6	274.2	275.9	277.5
.2	267.7	269.4	271.0	272.7	274.3	275.9	277.6	279.2	280.9	282.5	284.2
.3	274.3	276.0	277.7	279.3	281.0	282.6	284.3	286.0	287.6	289.3	290.9
.4	281.0	282.7	284.4	286.0	287.7	289.4	291.1	292.7	294.4	296.1	297.8
.5	287.7	289.4	291.1	292.8	294.5	296.2	297.9	299.6	301.3	302.9	304.6
.6	294.5	296.2	297.9	299.6	301.3	303.0	304.7	306.5	308.2	309.9	311.6
.7	301.4	303.0	304.8	306.5	308.2	310.0	311.7	313.4	315.1	316.8	318.5
.8	308.3	310.0	311.7	313.5	315.2	316.9	318.7	320.4	322.1	323.8	325.6
.9	315.2	317.0	318.7	320.5	322.2	323.9	325.7	327.4	329.2	330.9	332.7
6.0	322.2	324.0	325.7	327.5	329.3	331.0	332.8	334.5	336.3	338.1	339.8
.1	329.3	331.1	332.8	334.6	336.4	338.2	339.9	341.7	343.5	345.2	347.0
.2	336.4	338.2	340.0	341.8	343.6	345.3	347.1	348.9	350.7	352.5	354.3
.3	343.6	345.4	347.2	349.0	350.8	352.6	354.4	356.2	358.0	359.8	361.6
.4	350.8	352.6	354.4	356.3	358.1	359.9	361.7	363.5	365.3	367.2	369.0
.5	358.1	359.9	361.8	363.6	365.4	367.3	369.1	370.9	372.7	374.6	376.4
.6	365.4	367.3	369.1	371.0	372.8	374.7	376.5	378.4	380.2	382.0	383.9
.7	372.8	374.7	376.6	378.4	380.3	382.1	384.0	385.8	387.7	389.6	391.4
.8	380.3	382.2	384.0	385.9	387.8	389.7	391.5	393.4	395.3	397.1	399.0
.9	387.8	389.7	391.6	393.5	395.3	397.2	399.1	401.0	402.9	404.8	406.7
7.0	395.4	397.3	399.2	401.1	403.0	404.9	406.8	408.7	410.6	412.5	414.4
.1	403.0	404.9	406.8	408.8	410.6	412.6	414.5	416.4	418.3	420.2	422.1
.2	410.7	412.6	414.5	416.4	418.4	420.3	422.1	424.0	426.0	427.9	429.8
.3	418.4	420.3	422.3	424.2	426.2	428.1	430.0	432.0	433.9	435.9	437.8
.4	426.2	428.1	430.1	432.1	434.0	436.0	437.9	439.9	441.8	443.8	445.7
.5	434.0	436.0	438.0	439.9	441.9	443.9	445.8	447.8	449.8	451.7	453.7
.6	441.9	443.9	446.0	447.9	449.9	451.8	453.8	455.8	457.8	459.8	461.8
.7	449.9	451.9	453.9	455.9	457.9	459.9	461.9	463.9	465.9	467.8	469.8
.8	457.9	459.9	461.9	463.9	465.9	467.9	469.9	472.0	474.0	476.0	478.0
.9	466.0	468.0	470.0	472.0	474.0	476.1	478.1	480.1	482.1	484.2	486.2

BASE 2 FEET

Side Slopes 2 : 1

— +

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	.41	.30	.19								
.2	.89	.76	.63	.50	.37						
.3	1.44	1.30	1.15	1.00	.86	.71	.55				
.4	2.07	1.91	1.74	1.58	1.41	1.25	1.08	.92	.75	.59	.42
.5	2.78	2.60	2.41	2.23	2.05	1.86	1.68	1.50	1.31	1.13	.95
.6	3.55	3.35	3.15	2.95	2.75	2.55	2.35	2.15	1.95	1.75	1.55
.7	4.41	4.19	3.97	3.75	3.53	3.31	3.09	2.87	2.66	2.44	2.22
.8	5.33	5.10	4.86	4.62	4.30	4.15	3.91	3.67	3.44	3.20	2.96
.9	6.33	6.08	5.82	5.57	5.31	5.06	4.80	4.55	4.29	4.04	3.78
1.0	7.41	7.13	6.86	6.69	6.42	6.14	5.87	5.60	5.32	5.05	4.78
.1	8.56	8.26	7.97	7.68	7.39	7.10	6.80	6.51	6.22	5.93	5.64
.2	9.78	9.47	9.16	8.85	8.53	8.22	7.91	7.60	7.29	6.98	6.67
.3	11.07	10.74	10.41	10.08	9.75	9.42	9.09	8.76	8.43	8.10	7.77
.4	12.44	12.10	11.75	11.40	11.05	10.70	10.35	10.00	9.65	9.30	8.95
.5	13.89	13.52	13.15	12.79	12.42	12.05	11.68	11.31	10.95	10.58	10.21
.6	15.41	15.02	14.63	14.25	13.86	13.47	13.09	12.70	12.31	11.92	11.54
.7	17.00	16.59	16.19	15.78	15.38	14.97	14.56	14.16	13.75	13.35	12.94
.8	18.67	18.24	17.82	17.39	16.97	16.54	16.12	15.69	15.27	14.84	14.42
.9	20.41	19.96	19.52	19.08	18.63	18.19	17.74	17.30	16.86	16.41	15.97
2.0	22.22	21.76	21.30	20.83	20.37	19.91	19.44	18.98	18.52	18.06	17.59
.1	24.11	23.63	23.15	22.67	22.19	21.71	21.23	20.74	20.26	19.78	19.30
.2	26.07	25.58	25.08	24.58	24.08	23.58	23.08	22.58	22.08	21.58	21.08
.3	28.11	27.59	27.08	26.56	26.04	25.53	25.01	24.49	23.98	23.46	22.94
.4	30.22	29.69	29.15	28.62	28.08	27.55	27.01	26.48	25.94	25.41	24.87
.5	32.41	31.85	31.20	30.75	30.20	29.64	29.09	28.54	27.98	27.43	26.88
.6	34.67	34.10	33.53	32.95	32.38	31.81	31.24	30.67	30.10	29.53	28.96
.7	37.00	36.41	35.82	35.23	34.64	34.06	33.47	32.88	32.29	31.70	31.11
.8	39.41	38.80	38.19	37.59	36.98	36.37	35.77	35.16	34.55	33.94	33.34
.9	41.89	41.26	40.64	40.01	39.31	38.77	38.15	37.52	36.90	36.26	35.64
3.0	44.44	43.80	43.16	42.51	41.87	41.22	40.58	39.94	39.29	38.65	38.00
.1	47.07	46.41	45.75	45.09	44.42	43.76	43.10	42.43	41.77	41.11	40.44
.2	49.78	49.10	48.41	47.73	47.05	46.37	45.69	45.00	44.32	43.64	42.96
.3	52.56	51.85	51.15	50.45	49.75	49.05	48.35	47.65	46.95	46.25	45.55
.4	55.41	54.69	53.97	53.25	52.53	51.81	51.09	50.37	49.65	48.93	48.21
.5	58.33	57.59	56.86	56.12	55.38	54.64	53.90	53.16	52.42	51.68	50.94
.6	61.33	60.58	59.82	59.06	58.30	57.54	56.79	56.03	55.27	54.51	53.75
.7	64.41	63.63	62.85	62.08	61.30	60.52	59.75	58.97	58.19	57.41	56.54
.8	67.56	66.76	65.96	65.17	64.37	63.58	62.78	61.98	61.19	60.39	59.60
.9	70.78	69.96	69.15	68.33	67.52	66.70	65.89	65.07	64.26	63.44	62.63

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	.41	.52	.63	.73	.84	.95	1.06	1.18	1.29	1.40	1.51
.2	.89	1.02	1.15	1.28	1.41	1.53	1.66	1.79	1.92	2.05	2.18
.3	1.44	1.59	1.74	1.98	2.02	2.18	2.33	2.47	2.62	2.77	2.91
.4	2.07	2.24	2.40	2.57	2.73	2.90	3.05	3.22	3.38	3.55	3.70
.5	2.78	2.96	3.14	3.33	3.51	3.69	3.88	4.06	4.24	4.43	4.61
.6	3.55	3.76	3.96	4.16	4.36	4.56	4.76	4.96	5.16	5.37	5.57
.7	4.41	4.63	4.85	5.06	5.28	5.50	5.72	5.94	6.16	6.38	6.60
.8	5.33	5.57	5.81	6.04	6.27	6.51	6.75	6.98	7.22	7.46	7.69
.9	6.33	6.59	6.84	7.10	7.35	7.61	7.86	8.19	8.37	8.63	8.88
1.0	7.41	7.68	7.95	8.23	8.50	8.77	9.05	9.32	9.59	9.86	10.14
.1	8.56	8.85	9.14	9.43	9.72	10.01	10.31	10.60	10.89	11.18	11.48
.2	9.78	10.09	10.40	10.71	11.02	11.33	11.64	11.96	12.27	12.58	12.89
.3	11.07	11.40	11.73	12.06	12.39	12.72	13.05	13.38	13.71	14.04	14.77
.4	12.44	12.79	13.14	13.49	13.84	14.19	14.59	14.88	15.24	15.59	15.93
.5	13.89	14.26	14.63	14.99	15.36	15.73	16.10	16.47	16.83	17.20	17.57
.6	15.41	15.79	16.18	16.57	16.96	17.34	17.73	18.12	18.50	18.89	19.28
.7	17.00	17.41	17.81	18.22	18.62	19.03	19.44	19.84	20.25	20.65	21.06
.8	18.67	19.09	19.52	19.94	20.37	20.79	21.22	21.64	22.07	22.49	22.92
.9	20.41	20.85	21.29	21.74	22.18	22.63	23.07	23.52	23.96	24.40	24.85
2.0	22.22	22.69	23.15	23.61	24.07	24.54	25.00	25.46	25.93	26.39	26.85
.1	24.11	24.59	25.07	25.55	26.04	26.52	27.00	27.48	27.96	28.44	28.92
.2	26.07	26.57	27.07	27.57	28.07	28.57	29.07	29.57	30.07	30.57	31.06
.3	28.11	28.63	29.15	29.66	30.18	30.70	31.21	31.73	32.25	32.76	33.28
.4	30.22	30.76	31.29	31.82	32.36	32.90	33.43	33.97	34.50	35.04	35.57
.5	32.41	32.96	33.51	34.07	34.62	35.17	35.73	36.28	36.83	37.38	37.94
.6	34.67	35.24	35.81	36.38	36.95	37.52	38.09	38.66	39.24	39.81	40.38
.7	37.00	37.59	38.18	38.77	39.36	39.95	40.53	41.12	41.71	42.30	42.89
.8	39.41	40.01	40.62	41.23	41.84	42.44	43.05	43.66	44.26	44.87	45.48
.9	41.89	42.51	43.14	43.76	44.39	45.01	45.64	46.26	46.89	47.51	48.14
3.0	44.44	45.09	45.73	46.38	47.02	47.66	48.31	48.95	49.60	50.24	50.88
.1	47.07	47.74	48.40	49.06	49.73	50.39	51.05	51.72	52.38	53.04	53.70
.2	49.78	50.46	51.14	51.82	52.51	53.19	53.86	54.55	55.23	55.92	56.60
.3	52.56	53.26	53.96	54.66	55.36	56.06	56.76	57.46	58.16	58.86	59.57
.4	55.41	56.13	56.85	57.57	58.29	59.01	59.73	60.45	61.17	61.89	62.61
.5	58.33	59.07	59.81	60.55	61.29	62.03	62.77	63.51	64.25	64.98	65.72
.6	61.33	62.09	62.85	63.61	64.37	65.12	65.88	66.64	67.40	68.16	68.91
.7	64.41	65.18	65.96	66.74	67.52	68.29	69.07	69.85	70.62	71.40	72.18
.8	67.56	68.35	69.15	69.94	70.74	71.54	72.23	73.03	73.82	74.62	75.42
.9	70.78	71.59	72.41	73.22	74.04	74.85	75.68	76.48	77.30	78.11	78.93

BASE 4 FEET

Side Slopes 2 : 1

— 0 +

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	.78	.57	.37								
.2	1.63	1.41	1.19	.96	.74						
.3	2.56	2.31	2.07	1.83	1.59	1.35	1.11				
.4	3.56	3.30	3.04	2.78	2.52	2.26	2.00	1.74	1.48		
.5	4.63	4.35	4.07	3.77	3.49	3.21	2.93	2.65	2.38	2.10	1.82
.6	5.78	5.48	5.18	4.89	4.59	4.29	4.00	3.70	3.41	3.11	2.82
.7	7.00	6.69	6.37	6.06	5.74	5.43	5.13	4.81	4.50	4.18	3.87
.8	8.30	7.96	7.63	7.30	6.97	6.64	6.31	5.97	5.64	5.31	4.98
.9	9.67	9.32	8.97	8.62	8.27	7.92	7.57	7.22	6.86	6.52	6.17
1.0	11.11	10.74	10.37	10.00	9.63	9.26	8.89	8.52	8.15	7.78	7.41
.1	12.63	12.24	11.85	11.47	11.08	10.69	10.30	9.91	9.53	9.14	8.75
.2	14.22	13.82	13.41	13.00	12.60	12.19	11.79	11.38	10.97	10.57	10.16
.3	15.89	15.47	15.04	14.62	14.19	13.77	13.35	12.92	12.50	12.07	11.65
.4	17.63	17.19	16.75	16.30	15.86	15.42	14.98	14.54	14.09	13.65	13.21
.5	19.44	18.98	18.52	18.06	17.60	17.14	16.68	16.22	15.76	15.30	14.84
.6	21.33	20.86	20.38	19.90	19.42	18.94	18.47	17.99	17.51	17.03	16.55
.7	23.30	22.80	22.30	21.81	21.31	20.81	20.32	19.82	19.33	18.83	18.34
.8	25.33	24.82	24.31	23.79	23.28	22.76	22.25	21.74	21.22	20.71	20.19
.9	27.44	26.91	26.38	25.85	25.32	24.78	24.25	23.72	23.19	22.66	22.12
2.0	29.63	29.08	28.52	27.97	27.41	26.86	26.30	25.75	25.19	24.64	24.08
.1	31.89	31.32	30.74	30.17	29.60	29.02	28.45	27.88	27.31	26.73	26.16
.2	34.22	33.63	33.04	32.45	31.86	31.27	30.68	30.09	29.50	28.90	28.31
.3	36.63	36.02	35.41	34.80	34.19	33.58	32.98	32.37	31.76	31.15	30.54
.4	39.11	38.48	37.86	37.23	36.60	35.98	35.35	34.72	34.10	33.47	32.84
.5	41.67	41.02	40.38	39.73	39.09	38.44	37.84	37.15	36.51	35.86	35.22
.6	44.30	43.63	42.97	42.31	41.64	40.98	40.32	39.66	38.99	38.33	37.67
.7	47.00	46.32	45.64	44.95	44.28	43.60	42.91	42.23	41.55	40.87	40.19
.8	49.78	49.08	48.38	47.69	46.99	46.29	45.59	44.90	44.20	43.50	42.80
.9	52.63	51.91	51.20	50.48	49.76	49.04	48.33	47.61	46.89	46.18	45.46

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	.78	.98	1.19	1.39	1.59	1.80	2.00	2.24	2.41	2.61	2.82
.2	1.63	1.85	2.07	2.30	2.52	2.74	2.96	3.18	3.41	3.63	3.85
.3	2.56	2.80	3.04	3.28	3.52	3.76	4.00	4.24	4.48	4.72	4.96
.4	3.56	3.82	4.07	4.33	4.59	4.85	5.11	5.37	5.63	5.89	6.15
.5	4.63	4.91	5.19	5.46	5.74	6.02	6.30	6.58	6.85	7.13	7.41
.6	5.78	6.07	6.37	6.67	6.97	7.27	7.56	7.86	8.16	8.44	8.74
.7	7.00	7.31	7.63	7.94	8.26	8.57	8.88	9.20	9.51	9.83	10.14
.8	8.30	8.64	8.97	9.30	9.63	9.97	10.30	10.63	10.96	11.29	11.63
.9	9.67	10.02	10.37	10.72	11.07	11.42	11.77	12.12	12.47	12.82	13.17
1.0	11.11	11.48	11.85	12.22	12.59	12.96	13.33	13.70	14.07	14.44	14.81
.1	12.63	13.02	13.41	13.79	14.18	14.57	14.96	15.35	15.74	16.12	16.51
.2	14.22	14.63	15.03	15.44	15.85	16.25	16.66	17.06	17.47	17.88	18.28
.3	15.89	16.31	16.74	17.16	17.59	18.01	18.43	18.86	19.28	19.71	20.13
.4	17.63	18.07	18.51	18.96	19.40	19.83	20.27	20.71	21.16	21.60	22.04
.5	19.44	19.90	20.36	20.82	21.28	21.74	22.20	22.66	23.12	23.58	24.04
.6	21.33	21.81	22.29	22.77	23.25	23.72	24.20	24.68	25.16	25.64	26.11
.7	23.30	23.79	24.29	24.78	25.28	25.78	26.27	26.77	27.26	27.76	28.26
.8	25.33	25.85	26.36	26.88	27.39	27.90	28.42	28.93	29.45	29.96	30.47
.9	27.44	27.98	28.51	29.04	29.57	30.10	30.64	31.17	31.70	32.23	32.76
2.0	29.63	30.19	30.74	31.30	31.84	32.40	32.95	33.51	34.06	34.61	35.17
.1	31.89	32.46	33.04	33.61	34.18	34.75	35.33	35.90	36.47	37.05	37.62
.2	34.22	34.81	35.40	36.00	36.59	37.18	37.77	38.36	38.95	39.54	40.13
.3	36.63	37.24	37.85	38.46	39.07	39.67	40.28	40.89	41.50	42.11	42.72
.4	39.11	39.74	40.37	40.99	41.62	42.25	42.87	43.50	44.13	44.75	45.38
.5	41.67	42.31	42.96	43.60	44.25	44.89	45.54	46.18	46.83	47.47	48.12
.6	44.30	44.96	45.62	46.29	46.95	47.61	48.27	48.94	49.60	50.26	50.93
.7	47.00	47.68	48.36	49.04	49.72	50.41	51.09	51.77	52.45	53.13	53.81
.8	49.78	50.48	51.18	51.88	52.57	53.27	53.97	54.67	55.37	56.07	56.77
.9	52.63	53.35	54.06	54.78	55.50	56.21	56.98	57.65	58.37	59.08	59.80

BASE 4 FEET

Side Slopes 2 : 1

— +

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
3.0	55.56	54.82	54.08	53.34	52.60	51.86	51.12	50.38	49.64	48.90	48.16
.1	58.56	57.80	57.04	56.28	55.53	54.77	54.01	53.25	52.49	51.73	50.98
.2	61.63	60.85	60.08	59.30	58.53	57.75	56.97	56.20	55.42	54.66	53.87
.3	64.78	63.98	63.19	62.40	61.60	60.81	60.01	59.22	58.43	57.63	56.84
.4	68.00	67.19	66.38	65.56	64.75	63.94	63.13	62.32	61.51	60.69	59.88
.5	71.30	70.47	69.64	68.81	67.98	67.15	66.32	65.49	64.66	63.83	63.00
.6	74.67	73.82	72.97	72.12	71.28	70.43	69.58	68.73	67.88	67.04	66.19
.7	78.11	77.25	76.38	75.51	74.66	73.79	72.43	72.06	71.19	70.33	69.45
.8	81.63	80.75	79.86	78.98	78.09	77.21	76.33	75.44	74.56	73.67	72.79
.9	85.22	84.32	83.42	82.52	81.61	80.71	79.81	78.91	78.01	77.10	76.20
4.0	88.89	87.96	87.04	86.11	85.18	84.26	83.33	82.41	81.48	80.55	79.63
.1	92.63	91.69	90.74	89.80	88.85	87.91	86.97	86.02	85.08	84.13	83.19
.2	96.44	95.48	94.52	93.56	92.60	91.63	90.67	89.71	88.75	87.79	86.82
.3	100.3	99.35	98.37	97.39	96.41	95.43	94.45	93.47	92.49	91.51	90.53
.4	104.1	103.1	102.1	101.1	100.1	99.12	98.12	97.13	96.13	95.13	94.13
.5	108.2	107.1	106.1	105.1	104.1	103.1	102.0	101.0	100.0	99.00	97.99
.6	112.4	111.4	110.4	109.3	108.3	107.3	106.2	105.2	104.2	103.1	102.1
.7	116.7	115.6	114.6	113.5	112.5	111.4	110.4	109.3	108.3	107.2	106.1
.8	120.9	119.8	118.8	117.7	116.6	115.5	114.5	113.4	112.3	111.3	110.2
.9	125.2	124.1	123.0	122.0	120.9	119.8	118.7	117.6	116.5	115.4	114.3
5.0	129.6	128.5	127.4	126.3	125.2	124.1	123.0	122.0	120.7	119.6	118.5
.1	134.1	133.0	132.0	130.7	129.6	128.5	127.4	126.2	125.1	123.9	122.8
.2	138.7	137.5	136.4	135.2	134.1	132.9	131.8	130.6	129.4	128.3	127.2
.3	143.3	142.1	141.0	139.8	138.6	137.5	136.3	135.1	134.0	132.8	131.6
.4	148.0	146.8	145.6	144.5	143.3	142.1	140.9	139.7	138.5	137.3	136.2
.5	152.8	151.6	150.4	149.2	148.0	146.8	145.6	144.4	143.2	142.0	140.8
.6	157.6	156.4	155.2	154.0	152.8	151.5	150.3	149.1	147.9	146.7	145.4
.7	162.6	161.3	160.1	158.8	157.6	156.4	155.1	153.9	152.7	151.4	150.2
.8	167.6	166.3	165.0	163.8	162.5	161.3	160.0	158.8	157.5	156.2	155.0
.9	172.6	171.4	170.1	168.8	167.5	166.3	165.0	163.7	162.4	161.2	159.9

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
3.0	55.56	56.29	57.03	57.77	58.51	59.25	59.99	60.73	61.47	62.21	62.96
.1	58.56	59.31	60.07	60.83	61.59	62.35	63.10	63.86	64.62	65.38	66.14
.2	61.63	62.41	63.18	63.96	64.73	65.51	66.29	67.06	67.84	68.61	69.39
.3	64.78	65.57	66.37	67.16	67.95	68.75	69.54	70.34	71.13	71.92	72.72
.4	68.00	68.81	69.62	70.44	71.25	72.06	72.87	73.68	74.50	75.31	76.12
.5	71.30	72.13	72.96	73.79	74.62	75.45	76.28	77.11	77.94	78.77	79.60
.6	74.67	75.52	76.36	77.21	78.06	78.91	79.76	80.60	81.45	82.30	83.15
.7	78.11	78.98	79.84	80.71	81.58	82.44	83.31	84.17	85.04	85.91	86.77
.8	81.63	82.51	83.40	84.28	85.17	86.05	86.93	87.81	88.70	89.59	90.47
.9	85.22	86.12	87.03	87.93	88.83	89.73	90.63	91.54	92.44	93.34	94.24
4.0	88.89	89.81	90.74	91.67	92.59	93.52	94.44	95.37	96.30	97.22	98.15
.1	92.63	93.57	94.52	95.46	96.41	97.35	98.29	99.44	100.4	101.3	102.3
.2	96.44	97.41	98.37	99.33	100.3	101.3	102.2	103.2	104.1	105.1	106.1
.3	100.3	101.3	102.3	103.3	104.2	105.2	106.2	107.2	108.2	109.2	110.1
.4	104.1	105.1	106.1	107.1	108.1	109.1	110.1	111.1	112.1	113.1	114.1
.5	108.2	109.2	110.2	111.2	112.2	113.2	114.2	115.3	116.3	117.3	118.3
.6	112.4	113.5	114.5	115.6	116.6	117.6	118.7	119.7	120.7	121.8	122.8
.7	116.7	117.7	118.8	119.8	120.9	121.9	123.0	124.0	125.1	126.1	127.2
.8	120.9	122.0	123.0	124.1	125.2	126.2	127.7	128.4	129.5	130.5	131.6
.9	125.2	126.3	127.4	128.5	129.6	130.7	131.8	132.8	133.9	135.0	136.1
5.0	129.6	130.7	131.9	133.0	134.1	135.2	136.3	137.4	138.5	139.6	140.8
.1	134.1	135.2	136.4	137.5	138.6	139.8	140.9	142.0	143.2	144.3	145.4
.2	138.7	139.8	141.0	142.1	143.3	144.4	145.6	146.7	147.9	149.1	150.2
.3	143.3	144.5	145.6	146.8	148.0	149.1	150.3	151.5	152.6	153.8	155.0
.4	148.0	149.2	150.4	151.6	152.7	153.9	155.0	156.3	157.5	158.7	159.8
.5	152.8	154.0	155.2	156.4	157.6	158.8	160.0	161.2	162.4	163.6	164.8
.6	157.6	158.9	160.1	161.3	162.5	163.7	165.0	166.2	167.4	168.6	169.8
.7	162.6	163.8	165.0	166.3	167.5	168.8	170.0	171.2	172.5	173.7	174.9
.8	167.6	168.8	170.1	171.3	172.6	173.8	175.1	176.4	177.6	178.9	180.1
.9	172.6	173.9	175.2	176.5	177.7	179.0	180.3	181.6	182.8	184.1	185.4

BASE 6 FEET

Side Slopes 2 : 1

— +

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	1.15	0.85	0.56								
.2	2.37	2.06	1.74	1.43	1.11						
.3	3.67	3.33	3.00	2.67	2.33	2.00	1.67				
.4	5.04	4.69	4.34	3.98	3.63	3.28	2.93	2.58	2.23		
.5	6.48	6.11	5.74	5.37	5.01	4.64	4.27	3.90	3.53	3.16	2.79
.6	8.00	7.61	7.23	6.84	6.45	6.07	5.68	5.29	4.90	4.52	4.13
.7	9.59	9.19	8.78	8.38	7.97	7.57	7.16	6.76	6.35	5.95	5.54
.8	11.26	10.84	10.41	9.99	9.57	9.14	8.72	8.30	7.88	7.45	7.03
.9	13.00	12.56	12.12	11.68	11.24	10.80	10.35	9.91	9.47	9.03	8.5
1.0	14.82	14.35	13.89	13.43	12.96	12.50	12.04	11.57	11.11	10.65	10.19
.1	16.70	16.22	15.74	15.26	14.78	14.30	13.82	13.34	12.86	12.38	11.89
.2	18.53	18.03	17.54	17.04	16.54	16.04	15.54	15.04	14.54	14.04	13.54
.3	20.70	20.19	19.67	19.15	18.64	18.12	17.60	17.08	16.57	16.05	15.53
.4	22.71	22.18	21.64	21.11	20.57	20.04	19.50	18.97	18.43	17.90	17.36
.5	25.00	24.45	23.89	23.34	22.79	22.24	21.68	21.13	20.58	20.02	19.47
.6	27.26	26.69	26.12	25.55	24.98	24.40	23.83	23.26	22.69	22.12	21.55
.7	29.59	29.00	28.41	27.83	27.24	26.65	26.06	25.47	24.88	24.29	23.70
.8	32.00	31.39	30.79	30.18	29.57	28.97	28.36	27.75	27.14	26.54	25.93
.9	34.48	33.84	33.21	32.59	31.96	31.34	30.71	30.11	29.48	28.86	28.23
2.0	37.04	36.39	35.74	35.09	34.45	33.80	33.15	32.50	31.85	31.21	30.55
.1	39.67	39.00	38.34	37.67	37.00	36.34	35.67	35.01	34.34	33.67	33.01
.2	42.37	41.69	41.00	40.32	39.63	38.95	38.27	37.58	36.90	36.21	35.53
.3	45.15	44.45	43.74	43.04	42.34	41.64	40.94	40.23	39.53	38.83	38.13
.4	48.00	47.28	46.56	45.84	45.12	44.40	43.68	42.96	42.24	41.52	40.80
.5	50.93	50.19	49.45	48.72	47.98	47.24	46.50	45.76	45.03	44.29	43.55
.6	53.93	53.17	52.41	51.66	50.90	50.15	49.39	48.63	47.88	47.12	46.37
.7	57.00	56.23	55.45	54.68	53.90	53.13	52.36	51.58	50.18	50.03	49.26
.8	60.15	59.36	58.56	57.77	56.98	56.19	55.40	54.60	53.81	53.02	52.23
.9	63.37	62.56	61.75	60.94	60.13	59.32	58.51	57.70	56.89	56.08	55.27

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	1.15	1.44	1.74	2.04	2.33	2.63	2.92	3.22	3.52	3.81	4.11
.2	2.37	2.68	3.00	3.32	3.63	3.95	4.26	4.58	4.89	5.21	5.52
.3	3.67	4.00	4.33	4.67	5.00	5.33	5.67	6.00	6.33	6.66	7.00
.4	5.04	5.39	5.74	6.09	6.44	6.79	7.14	7.49	7.85	8.20	8.55
.5	6.48	6.85	7.22	7.59	7.96	8.33	8.70	9.06	9.43	9.80	10.17
.6	8.00	8.39	8.77	9.16	9.55	9.94	10.32	10.71	11.10	11.48	11.87
.7	9.59	10.00	10.40	10.81	11.21	11.62	12.02	12.43	12.83	13.24	13.64
.8	11.26	11.68	12.11	12.53	12.96	13.37	13.80	14.22	14.64	15.07	15.49
.9	13.00	13.44	13.88	14.32	14.76	15.21	15.65	16.09	16.53	16.97	17.41
1.0	14.82	15.28	15.74	16.20	16.67	17.13	17.59	18.06	18.52	18.98	19.45
.1	16.70	17.19	17.67	18.15	18.63	19.11	19.59	20.07	20.55	21.03	21.51
.2	18.53	19.03	19.53	20.03	20.53	21.03	21.53	22.03	22.53	23.02	23.52
.3	20.70	21.22	21.74	22.25	22.77	23.29	23.81	24.32	24.84	25.36	25.87
.4	22.71	23.25	23.78	24.32	24.85	25.39	25.92	26.46	26.99	27.53	28.06
.5	25.00	25.56	26.11	26.66	27.21	27.77	28.32	28.87	29.42	29.98	30.53
.6	27.26	27.83	28.40	28.97	29.54	30.11	30.69	31.26	31.83	32.40	32.97
.7	29.59	30.18	30.77	31.36	31.95	32.54	33.13	33.72	34.30	34.89	35.48
.8	32.00	32.61	33.21	33.82	34.43	35.04	35.64	36.25	36.86	37.46	38.07
.9	34.48	35.11	35.73	36.36	36.98	37.61	38.23	38.85	39.48	40.11	40.73
2.0	37.04	37.69	38.33	38.98	39.63	40.28	40.93	41.57	42.22	42.87	43.52
.1	39.67	40.33	41.00	41.67	42.33	43.00	43.66	44.33	45.00	45.66	46.33
.2	42.37	43.05	43.74	44.42	45.11	45.79	46.47	47.16	47.84	48.53	49.21
.3	45.15	45.85	46.55	47.25	47.96	48.66	49.36	50.06	50.76	51.47	52.17
.4	48.00	48.72	49.44	50.16	50.88	51.60	52.32	53.04	53.76	54.48	55.20
.5	50.93	51.67	52.41	53.14	53.88	54.62	55.36	56.10	56.83	57.57	58.31
.6	53.93	54.68	55.44	56.19	56.95	57.71	58.46	59.22	59.97	60.73	61.49
.7	57.00	57.77	58.55	59.32	60.10	60.87	61.64	62.42	63.19	63.97	64.74
.8	60.15	60.94	61.73	62.52	63.32	64.11	64.90	65.69	66.48	67.28	68.07
.9	63.37	64.18	64.99	65.80	66.61	67.42	68.23	69.04	69.85	70.66	71.47

BASE 6 FEET

Side Slopes 2 : 1

— +

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
3.0	66.67	65.83	65.00	64.17	63.34	62.50	61.67	60.84	60.00	59.17	58.34	3.0	66.67	67.50	68.33	69.16	70.00	70.83	71.67	72.50	73.33	74.16	75.00
.1	70.04	69.19	68.34	67.48	66.63	65.78	64.93	64.08	63.23	62.30	61.53	.1	70.04	70.89	71.74	72.59	73.44	74.29	75.14	75.99	76.85	77.70	78.55
.2	73.48	72.61	71.74	70.87	70.01	69.14	68.27	67.40	66.53	65.66	64.79	.2	73.48	74.35	75.22	76.09	76.96	77.83	78.70	79.56	80.43	81.30	82.17
.3	77.00	76.11	75.23	74.34	73.45	72.57	71.68	70.79	69.90	69.02	38.13	.3	77.00	77.89	78.77	79.66	80.55	81.44	82.32	83.21	84.10	84.98	85.87
.4	80.59	79.69	78.78	77.87	76.97	76.07	75.16	74.26	73.35	72.45	71.54	.4	80.59	81.50	82.40	83.31	84.21	85.12	86.02	86.93	87.83	88.74	89.64
.5	84.26	83.34	82.41	81.49	80.47	79.65	78.72	77.80	76.88	75.95	75.03	.5	84.26	85.18	86.11	87.03	87.95	88.18	89.80	90.72	91.64	92.57	93.49
.6	88.00	87.06	86.12	85.18	84.24	83.30	82.35	81.41	80.47	79.53	78.59	.6	88.00	88.94	89.88	90.82	91.76	92.71	93.65	94.59	95.53	96.47	97.41
.7	91.81	90.86	89.90	88.94	87.98	87.02	86.06	85.10	84.14	83.18	82.22	.7	91.81	92.77	93.72	94.68	95.64	96.60	97.56	98.52	99.48	100.4	101.4
.8	95.70	94.73	93.75	92.77	91.80	90.82	89.84	88.86	87.89	86.91	85.93	.8	95.70	96.68	97.66	98.63	99.61	100.6	101.6	102.5	103.5	104.5	105.5
.9	99.67	98.67	97.68	96.68	95.69	94.69	93.70	92.70	91.71	90.71	89.72	.9	99.67	100.7	101.7	102.7	103.7	104.7	105.6	106.6	107.6	108.6	109.6
4.0	103.7	102.7	101.7	100.7	99.63	98.61	97.60	96.58	95.56	94.54	93.52	4.0	103.7	104.7	105.7	106.8	107.8	108.8	109.8	110.8	111.9	112.9	113.9
.1	107.8	106.8	105.7	104.7	103.7	102.6	101.6	100.6	99.52	98.48	97.44	.1	107.8	108.9	109.9	110.9	112.0	113.0	114.0	115.1	116.1	117.2	118.2
.2	112.0	110.9	109.9	108.8	107.8	106.7	105.7	104.6	103.6	102.5	101.4	.2	112.0	113.1	114.1	115.2	116.2	117.3	118.3	119.4	120.4	121.5	122.6
.3	116.3	115.2	114.1	113.0	112.0	110.9	109.8	108.7	107.7	106.6	105.5	.3	116.3	117.3	118.4	119.5	120.4	121.6	122.7	123.8	124.9	125.9	127.0
.4	120.6	119.5	118.4	117.3	116.2	115.1	114.0	112.9	111.8	110.8	109.7	.4	120.6	121.7	122.8	123.9	125.0	126.1	127.2	128.3	129.3	130.4	131.5
.5	125.0	123.9	122.8	121.7	120.6	119.5	118.3	117.2	116.1	114.9	113.9	.5	125.0	126.1	127.2	128.4	129.5	130.6	131.7	132.8	133.9	135.0	136.1
.6	129.5	128.4	127.2	126.1	124.9	123.8	122.6	121.6	120.4	119.3	118.2	.6	129.5	130.6	131.8	132.9	134.0	135.1	136.3	137.4	138.5	139.7	140.8
.7	134.0	132.9	131.7	130.6	129.4	128.3	127.1	126.0	124.8	123.7	122.5	.7	134.0	135.2	136.3	137.5	138.6	139.8	140.9	142.1	143.2	144.4	145.5
.8	138.7	137.5	136.3	135.2	134.0	132.8	131.7	130.5	129.3	128.1	127.0	.8	138.7	139.8	141.0	142.2	143.4	144.5	145.7	146.9	148.0	149.2	150.4
.9	143.4	142.2	141.0	139.8	138.6	137.4	136.2	135.1	133.9	132.7	131.5	.9	143.4	144.6	145.8	146.9	148.1	149.3	150.5	151.7	152.9	154.1	155.3
5.0	148.2	146.9	145.7	144.5	143.3	142.1	140.9	139.7	138.5	137.3	136.1	5.0	148.2	149.4	150.6	151.8	153.0	154.2	155.4	156.6	157.8	159.0	160.2
.1	153.0	151.8	150.6	149.3	148.1	146.9	145.7	144.5	143.2	142.0	140.8	.1	153.0	154.2	155.5	156.7	157.9	159.1	160.4	161.6	162.8	164.0	165.3
.2	157.9	156.7	155.4	154.2	152.9	151.7	150.5	149.2	148.0	146.7	145.5	.2	157.9	159.2	160.4	161.7	162.9	164.1	165.4	166.6	167.9	169.1	170.4
.3	162.9	161.7	160.4	159.1	157.9	156.6	155.4	154.1	152.8	151.6	150.3	.3	162.9	164.2	165.5	166.7	168.0	169.2	170.5	171.8	173.0	174.3	175.5
.4	168.0	166.7	165.4	164.2	162.9	161.6	160.3	159.1	157.8	156.5	155.2	.4	168.1	169.3	170.6	171.8	173.1	174.4	175.7	176.9	178.2	179.5	180.8
.5	173.2	171.9	170.6	169.3	168.0	166.7	165.4	164.1	162.8	161.5	160.2	.5	173.2	174.5	175.7	177.0	178.3	179.6	180.9	182.2	183.5	184.8	186.1
.6	178.4	177.1	175.7	174.4	173.1	171.8	170.5	169.2	167.9	166.5	165.2	.6	178.4	179.7	181.0	182.3	183.6	185.0	186.3	187.6	188.9	190.2	191.5
.7	183.7	182.3	181.0	179.7	178.3	177.0	175.7	174.3	173.0	171.7	170.3	.7	183.7	185.0	186.3	187.7	189.0	190.3	191.7	193.0	194.3	195.7	197.0
.8	189.0	187.7	186.3	185.0	183.6	182.3	180.9	179.6	178.2	176.9	175.5	.8	189.0	190.4	191.7	193.1	194.4	195.7	197.1	198.5	199.8	201.2	202.6
.9	194.5	193.1	191.7	190.4	189.0	187.6	186.3	184.9	183.5	182.2	180.8	.9	194.5	195.9	197.2	198.6	200.0	201.3	202.7	204.1	205.4	206.8	208.2

BASE 8 FEET

Side Slopes 2 : 1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	1.52	1.13	.74								
.2	3.11	2.70	2.30	1.89	1.48						
.3	4.78	4.35	3.93	3.50	3.07	2.65	2.22				
.4	6.52	6.07	5.63	5.19	4.74	4.30	3.85	3.41	2.97		
.5	8.33	7.87	7.41	6.95	6.49	6.02	5.56	5.10	4.64	4.18	3.71
.6	10.22	9.74	9.26	8.78	8.30	7.82	7.34	6.86	6.38	5.90	5.42
.7	12.19	11.69	11.19	10.69	10.19	9.70	9.20	7.70	8.20	7.70	7.21
.8	14.22	13.71	13.19	12.67	12.16	11.64	11.13	10.61	10.09	9.58	9.06
.9	16.33	15.80	15.26	14.72	14.18	13.64	13.11	12.57	12.03	11.49	10.95
1.0	18.52	17.96	17.40	16.85	16.29	15.74	15.18	14.62	14.07	13.51	12.96
.1	20.78	20.20	19.63	19.05	18.48	17.90	17.34	16.75	16.18	15.60	15.03
.2	23.11	22.52	21.92	21.33	20.74	20.14	19.55	18.95	18.36	17.77	17.17
.3	25.52	24.91	24.29	23.68	23.07	22.45	21.84	21.23	20.61	20.00	19.39
.4	28.00	27.37	27.74	26.10	25.47	24.84	24.21	23.58	22.94	22.31	21.68
.5	30.56	29.90	29.25	28.60	27.95	27.30	26.65	26.00	25.35	24.70	24.05
.6	33.19	32.52	31.85	31.18	30.51	29.84	29.17	28.50	27.83	27.16	26.49
.7	35.89	35.20	34.51	33.82	33.13	32.44	31.76	31.07	30.38	29.69	29.00
.8	38.67	37.96	37.25	36.54	35.83	35.13	34.42	33.71	33.00	32.29	31.59
.9	41.51	40.78	40.06	39.33	38.60	37.88	37.15	36.42	35.69	34.97	34.24
2.0	44.44	43.70	42.95	42.21	41.46	40.71	39.97	39.22	38.48	37.73	36.98
.1	47.44	46.68	45.92	45.15	44.39	43.62	42.86	42.10	41.33	40.57	39.80
.2	50.51	49.74	48.95	48.17	47.39	46.61	45.83	45.04	44.26	43.48	42.70
.3	53.66	52.86	52.06	51.26	50.46	49.66	48.86	48.06	47.26	46.46	45.46
.4	56.89	56.07	55.25	54.44	53.62	52.80	51.98	51.16	50.35	49.53	48.71
.5	60.18	59.35	58.51	57.68	56.84	56.01	55.17	54.33	53.50	52.66	51.82
.6	63.55	62.70	61.85	60.99	60.14	59.29	58.43	57.58	56.72	55.87	55.02
.7	67.00	66.13	65.26	64.38	63.51	62.64	61.77	60.90	60.02	59.15	58.28
.8	70.51	69.63	68.74	67.85	66.96	66.07	65.18	64.29	63.40	62.51	61.62
.9	74.11	73.20	72.30	71.39	70.48	69.57	68.66	67.76	66.85	65.94	65.03

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
1.0	1.52	1.91	2.30	2.69	3.08	3.47	3.86	4.25	4.64	5.03	5.42
.2	3.11	3.52	3.93	4.34	4.74	5.15	5.56	5.97	6.37	6.78	7.19
.3	4.78	5.20	5.63	6.06	6.48	6.91	7.33	7.76	8.19	8.61	9.04
.4	6.52	6.96	7.41	7.85	8.29	8.74	9.18	9.63	10.07	10.51	10.96
.5	8.33	8.80	9.26	9.72	10.18	10.64	11.11	11.57	12.03	12.49	12.95
.6	10.22	10.70	11.18	11.66	12.14	12.62	13.10	13.58	14.06	14.54	15.02
.7	12.19	12.68	13.18	13.68	14.18	14.68	15.17	15.67	16.17	16.67	17.17
.8	14.22	14.74	15.25	15.77	16.29	16.80	17.32	17.83	18.35	18.87	19.38
.9	16.33	16.78	17.41	17.95	18.49	19.02	19.56	20.10	20.64	21.18	21.71
1.0	18.52	19.07	19.63	20.18	20.74	21.30	21.85	22.41	22.96	23.52	24.08
.1	20.78	21.35	21.93	22.50	23.08	23.65	24.23	24.80	25.38	25.95	26.53
.2	23.11	23.71	24.30	24.89	25.49	26.08	26.68	27.27	27.86	28.46	29.05
.3	25.52	26.13	26.74	27.36	27.97	28.58	29.20	29.81	30.42	31.04	31.65
.4	28.00	28.63	29.26	29.90	30.53	31.16	31.79	32.42	33.06	33.69	34.32
.5	30.56	31.21	31.86	32.51	33.16	33.81	34.46	35.11	35.76	36.41	37.07
.6	33.19	33.86	34.53	35.20	35.87	36.54	37.21	37.88	38.55	39.22	39.89
.7	35.89	36.58	37.27	37.96	38.65	39.33	40.02	40.71	41.40	42.09	42.78
.8	38.67	39.37	40.08	40.79	41.50	42.21	42.91	43.62	44.33	45.04	45.75
.9	41.51	42.24	42.96	43.69	44.42	45.15	45.87	46.60	47.33	48.05	48.78
2.0	44.44	45.19	45.94	46.68	47.43	48.17	48.92	49.67	50.41	51.16	51.90
.1	47.44	48.21	48.97	49.74	50.50	51.26	52.03	52.79	53.56	54.32	55.08
.2	50.51	51.30	52.08	52.86	53.65	54.43	55.21	55.99	56.77	57.56	58.33
.3	53.66	54.46	55.26	56.06	56.86	57.66	58.46	59.26	60.06	60.86	61.66
.4	56.89	57.71	58.53	59.34	60.16	60.98	61.80	62.62	63.43	64.25	65.07
.5	60.18	61.02	61.86	62.69	63.53	64.37	65.20	66.04	66.87	67.71	68.54
.6	63.56	64.41	65.26	66.12	66.97	67.83	68.68	69.53	70.39	71.24	72.09
.7	67.00	67.87	68.74	69.62	70.50	71.37	72.24	73.11	73.99	74.86	75.72
.8	70.57	71.41	72.30	73.19	74.08	74.97	75.86	76.75	77.64	78.53	79.42
.9	74.11	75.02	75.93	76.84	77.74	78.65	79.56	80.47	81.37	82.28	83.19

BASE 8 FEET

Side Slopes 2 : 1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
3.0	77.77	76.85	75.93	75.00	74.07	73.15	72.22	71.30	70.37	69.44	68.51
.1	81.51	80.57	79.63	78.68	77.74	76.79	75.85	74.90	73.96	73.01	72.06
.2	85.33	84.37	83.41	82.44	81.48	80.51	79.55	78.59	77.62	76.66	75.69
.3	89.22	88.26	87.29	86.33	85.37	84.40	83.44	82.47	81.51	80.55	79.58
.4	93.18	92.18	91.18	90.18	89.18	88.18	87.17	86.17	85.17	84.17	83.16
.5	97.22	96.20	95.18	94.16	93.14	92.12	91.10	90.08	89.05	88.03	87.01
.6	101.3	100.3	99.26	98.22	97.18	96.14	95.10	94.06	93.02	91.98	90.94
.7	105.5	104.5	103.4	102.3	101.3	100.2	99.16	98.11	97.05	95.99	94.92
.8	109.8	108.7	107.6	106.5	105.5	104.4	103.3	102.2	101.2	100.8	99.00
.9	114.1	113.0	112.9	110.8	109.7	108.6	107.5	106.4	105.3	104.2	103.1
4.0	118.5	117.4	116.3	115.2	114.1	112.9	111.8	110.7	109.6	108.5	107.4
.1	123.0	121.9	120.7	119.6	118.5	117.3	116.2	115.1	113.9	112.8	111.7
.2	127.6	126.4	125.3	124.1	122.9	121.8	120.6	119.5	118.3	117.2	116.0
.3	132.2	131.0	129.9	128.7	127.5	126.3	125.2	124.0	122.8	121.7	120.5
.4	136.9	135.7	134.5	133.3	132.1	131.0	129.8	128.6	127.4	126.2	125.0
.5	141.7	140.5	139.3	138.1	136.8	135.6	134.4	133.2	132.0	130.8	129.6
.6	146.5	145.3	144.1	142.9	141.6	140.4	139.2	137.9	136.7	135.5	134.3
.7	151.4	150.2	149.0	147.7	146.5	145.2	144.0	142.8	141.5	140.3	139.0
.8	156.4	155.2	153.9	152.7	151.4	150.1	148.9	147.6	146.4	145.1	143.8
.9	161.5	160.2	159.0	157.7	156.5	155.1	153.9	152.6	151.3	150.0	148.7
5.0	166.7	165.4	164.1	162.8	161.5	160.2	158.9	157.5	156.3	155.0	153.7
.1	171.9	170.6	169.3	167.9	166.6	165.3	164.0	162.7	161.4	160.1	158.7
.2	177.2	175.9	174.5	173.2	171.9	170.5	169.2	167.9	166.5	165.2	163.8
.3	182.6	181.2	179.9	178.5	177.1	175.8	174.4	173.1	171.7	170.4	169.0
.4	188.0	186.6	185.3	183.9	182.5	181.1	179.8	178.4	177.0	175.7	174.3
.5	192.5	191.1	189.7	188.4	186.9	185.6	184.2	182.8	181.4	180.0	178.6
.6	199.1	197.7	196.3	194.9	193.5	192.1	190.7	189.2	187.8	186.4	185.0
.7	204.8	203.4	201.9	200.5	199.1	197.6	196.2	194.8	193.4	191.9	190.5
.8	210.5	209.1	207.6	206.2	204.7	203.3	201.8	200.4	198.9	192.5	196.0
.9	216.3	214.9	213.4	211.9	210.5	209.0	207.5	206.1	204.6	203.1	201.7

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
3.0	77.77	78.70	79.63	80.56	81.48	82.41	83.33	84.26	85.19	86.11	87.03
.1	81.51	82.46	83.41	84.35	85.30	86.24	87.19	88.13	89.08	90.02	90.97
.2	85.33	86.30	87.26	88.23	89.19	90.15	91.12	92.08	93.05	94.01	94.97
.3	89.22	90.19	91.15	92.11	93.08	94.04	95.01	95.97	96.93	97.90	98.86
.4	93.18	94.19	95.19	96.19	97.19	98.20	99.20	100.2	101.2	102.2	103.2
.5	97.22	98.24	99.26	100.3	101.3	102.3	103.4	104.4	105.4	106.4	107.4
.6	101.3	102.4	103.4	104.5	105.5	106.5	107.6	108.6	109.7	110.7	111.7
.7	105.5	106.6	107.6	108.7	109.8	110.8	111.9	112.9	114.0	115.1	116.1
.8	109.8	110.9	111.9	113.0	114.1	115.2	116.3	117.3	118.4	119.5	120.6
.9	114.1	115.2	116.3	117.4	118.5	119.6	120.7	121.8	122.9	124.0	125.1
4.0	118.5	119.6	120.8	121.9	123.0	124.1	125.2	126.3	127.5	128.6	129.7
.1	123.0	124.1	125.3	126.4	127.5	128.7	129.8	130.9	132.1	133.2	134.3
.2	127.6	128.7	129.9	131.0	132.2	133.3	134.5	135.6	136.8	137.9	139.1
.3	132.2	133.4	134.5	135.7	136.9	138.0	139.2	140.4	141.6	142.7	143.9
.4	136.9	138.1	139.3	140.5	141.6	142.8	144.0	145.2	146.4	147.6	148.8
.5	141.7	142.9	144.1	145.3	146.5	147.7	148.9	150.1	151.3	152.5	153.7
.6	146.5	147.7	149.0	150.2	151.4	152.6	153.9	155.1	156.3	157.5	158.8
.7	151.4	152.7	153.9	155.2	156.4	157.7	158.9	160.1	161.4	162.6	163.9
.8	156.4	157.7	159.0	160.2	161.5	162.7	164.0	165.3	166.5	167.8	169.0
.9	161.5	162.8	164.1	165.4	166.6	167.9	169.2	170.5	171.7	173.0	174.3
5.0	166.7	168.0	169.3	170.6	171.9	173.2	174.4	175.7	177.0	178.3	179.6
.1	171.9	173.2	174.5	175.8	177.2	178.5	179.8	181.1	182.4	183.7	185.0
.2	177.2	178.5	179.9	181.2	182.5	183.9	185.2	186.5	187.9	189.2	190.5
.3	182.6	183.9	185.3	186.6	188.0	189.3	190.7	192.0	193.4	194.7	196.1
.4	188.0	189.4	190.7	192.1	193.5	194.9	196.2	197.6	199.0	200.4	201.7
.5	192.5	193.9	195.3	196.7	198.1	199.5	200.9	202.3	203.7	205.0	206.4
.6	199.1	200.5	201.9	203.3	204.8	206.2	207.6	209.0	210.4	211.8	213.2
.7	204.8	206.2	207.6	209.1	210.5	211.9	213.4	214.8	216.2	217.6	219.1
.8	210.5	212.0	213.4	214.9	216.3	217.8	219.2	220.7	222.1	223.6	225.0
.9	216.3	217.8	219.3	220.7	222.2	223.7	225.1	226.6	228.1	229.5	231.0

BASE 10 FEET

Side Slopes 2 : 1

— +

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
1.	1.89	1.41	.93								
.2	3.85	3.35	2.85	2.35	1.85						
.3	5.89	5.37	4.85	4.33	3.81	3.29	2.78				
.4	8.00	7.46	6.93	6.39	5.85	5.32	4.78	4.24	3.70		
.5	10.19	9.63	9.07	8.52	7.96	7.41	6.85	6.29	5.74	5.18	4.63
.6	12.44	11.86	11.30	10.72	10.15	9.57	9.00	8.43	7.85	7.28	6.70
.7	14.78	14.19	13.59	13.00	12.41	11.81	11.22	10.63	10.03	9.44	8.85
.8	17.19	16.57	15.96	15.35	14.74	14.13	13.52	12.91	12.30	11.69	11.08
.9	19.67	19.04	18.41	17.78	17.15	16.52	15.89	15.26	14.63	14.00	13.37
1.0	22.22	21.57	20.93	20.28	19.63	18.98	18.33	17.69	17.04	16.39	15.74
.1	24.85	24.19	23.52	22.85	22.18	21.52	20.85	20.18	19.52	18.85	18.18
.2	27.55	26.87	26.19	25.50	24.82	24.13	23.45	22.76	22.08	21.39	20.70
.3	30.33	29.63	28.93	28.22	27.52	26.81	26.11	25.41	24.70	24.00	23.29
.4	33.19	32.46	31.74	31.02	30.30	29.58	28.85	28.13	27.41	26.69	25.97
.5	36.11	35.37	34.63	33.89	33.15	32.41	31.67	30.92	30.18	29.44	28.70
.6	39.11	38.35	37.59	36.83	36.08	35.32	34.56	33.80	33.04	32.28	31.52
.7	42.19	41.41	40.63	39.85	39.07	38.30	37.52	36.74	35.96	35.18	34.41
.8	45.33	44.54	43.74	42.95	42.15	41.35	40.56	39.76	38.97	38.17	37.37
.9	48.56	47.74	46.93	46.11	45.30	44.48	43.67	42.85	42.04	41.22	40.41
2.0	51.85	51.02	50.19	49.35	48.52	47.68	46.85	46.02	45.19	44.36	43.52
.1	55.22	54.37	53.52	52.67	51.81	50.96	50.11	49.26	48.41	47.55	46.70
.2	58.66	57.80	56.93	56.06	55.19	54.32	53.45	52.78	41.71	50.84	49.96
.3	62.19	61.30	60.41	59.52	58.63	57.74	56.85	55.96	55.07	54.18	53.30
.4	65.78	64.87	63.96	63.06	62.15	61.24	60.34	59.43	58.52	57.62	56.71
.5	69.44	68.52	67.59	66.67	65.74	64.82	63.89	62.97	62.04	61.12	60.19
.6	73.19	72.24	71.30	70.35	69.41	68.47	67.52	66.58	65.63	64.69	63.75
.7	77.00	76.04	75.07	74.11	73.15	72.19	71.22	70.26	69.30	68.33	67.37
.8	80.89	79.91	78.93	77.95	76.97	75.98	75.00	74.02	73.04	72.06	71.08
.9	84.85	83.85	82.85	81.85	80.85	79.85	78.85	77.85	76.85	75.85	74.85

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	1.89	2.37	2.85	3.33	3.82	4.30	4.78	5.26	5.74	6.23	6.71
.2	3.85	4.35	4.85	5.35	5.85	6.35	6.85	7.35	7.85	8.35	8.85
.3	5.89	6.41	6.93	7.45	7.97	8.48	9.00	9.52	10.04	10.56	11.08
.4	8.00	8.54	9.07	9.61	10.15	10.69	11.22	11.76	12.30	12.83	13.37
.5	10.19	10.74	11.30	11.85	12.41	12.97	13.52	14.08	14.63	15.19	15.75
.6	12.44	13.02	13.59	14.17	14.74	15.31	15.89	16.46	17.04	17.61	18.18
.7	14.78	15.37	15.96	16.56	17.15	17.74	18.34	18.93	19.32	20.11	20.71
.8	17.19	17.80	18.41	19.02	19.63	20.24	20.85	21.46	22.07	22.68	23.30
.9	19.67	20.30	20.93	21.56	22.19	22.82	23.45	24.08	24.71	25.34	25.97
1.0	22.22	22.87	23.52	24.17	24.81	25.46	26.11	26.76	27.41	28.05	28.70
.1	24.85	25.52	26.19	26.85	27.52	28.19	28.85	29.52	30.19	30.86	31.52
.2	27.55	28.24	28.93	29.61	30.30	30.98	31.67	32.35	33.04	33.71	34.40
.3	30.33	31.04	31.74	32.45	33.15	33.85	34.56	35.26	35.97	36.67	37.37
.4	33.19	33.91	34.63	35.35	36.07	36.80	37.52	38.24	38.96	39.68	40.41
.5	36.11	36.85	37.59	38.33	39.08	39.82	40.56	41.30	42.04	42.78	43.52
.6	39.11	39.87	40.63	41.39	42.15	42.91	43.67	44.42	45.18	45.94	46.70
.7	42.19	42.96	43.74	44.52	45.30	46.08	46.85	47.63	48.41	49.19	49.97
.8	45.33	46.13	46.93	47.72	48.52	49.31	50.11	50.91	51.70	52.50	53.29
.9	48.56	49.37	50.19	51.00	51.82	52.63	53.45	54.26	55.08	55.89	56.71
2.0	51.85	52.69	53.52	54.35	55.18	56.02	56.85	57.68	58.52	59.35	60.18
.1	55.22	56.07	56.93	57.78	58.63	59.48	60.33	61.19	62.04	62.89	63.74
.2	58.66	59.54	60.41	61.28	62.15	63.02	63.89	64.76	65.63	66.50	67.36
.3	62.19	63.07	63.96	64.85	65.74	66.63	67.52	68.41	69.30	70.19	71.08
.4	65.78	66.69	67.60	68.50	69.41	70.31	71.22	72.13	73.03	73.94	74.85
.5	69.44	70.37	71.29	72.22	73.14	74.07	74.99	75.92	76.84	77.77	78.70
.6	73.19	74.13	75.07	76.02	76.96	77.91	78.85	79.79	80.74	81.68	82.63
.7	77.00	77.96	78.93	79.89	80.85	81.82	82.78	83.74	84.70	85.67	86.63
.8	80.89	81.87	82.85	83.93	84.81	85.79	86.78	87.76	88.74	89.72	90.70
.9	84.85	85.85	86.85	87.85	88.85	89.85	90.85	91.85	92.85	93.85	94.85

BASE 10 FEET

Side Slopes 2 : 1

— +

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
3.0	88.89	87.87	86.85	85.83	84.82	83.80	82.78	81.76	80.74	79.73	78.71	3.0	88.89	89.91	90.92	91.94	92.96	93.98	95.00	96.01	97.03	98.05	99.07
.1	93.00	92.96	91.93	89.89	88.85	87.82	86.78	85.74	84.70	83.67	82.63	.1	93.00	94.04	95.07	96.11	97.15	98.19	99.22	100.3	101.3	102.3	103.4
.2	97.19	96.13	95.08	94.02	92.97	91.91	90.86	89.80	88.75	87.69	86.64	.2	97.19	98.24	99.30	100.4	101.4	102.5	103.5	104.6	105.6	106.7	107.7
.3	101.4	100.4	99.30	98.22	97.15	96.07	95.00	93.93	92.85	91.78	90.70	.3	101.4	102.5	103.6	104.7	105.7	106.8	107.9	109.0	110.0	111.7	112.2
.4	105.8	104.7	103.6	102.5	101.4	100.3	99.23	98.13	97.04	95.95	94.86	.4	105.8	106.9	108.0	109.1	110.2	111.2	112.3	113.4	114.5	115.6	116.7
.5	110.2	109.1	108.0	106.9	105.7	104.6	103.5	102.4	101.3	100.2	99.08	.5	110.2	111.3	112.4	113.5	114.6	115.7	116.9	118.0	119.1	120.2	121.3
.6	114.7	113.5	112.4	111.3	110.2	109.0	107.9	106.8	105.6	104.5	103.4	.6	114.7	115.8	116.9	118.0	119.2	120.3	121.4	122.6	123.7	124.8	126.0
.7	119.2	118.1	116.9	115.8	114.6	113.5	112.3	111.2	110.0	108.9	107.7	.7	119.2	120.4	121.5	122.7	123.8	125.0	126.1	127.3	128.4	129.5	130.7
.8	123.9	122.7	121.5	120.4	119.2	118.0	116.9	115.7	114.5	113.4	112.2	.8	123.9	125.0	126.2	127.4	128.5	129.7	130.9	132.0	133.2	134.4	135.5
.9	128.6	127.4	126.2	125.0	123.8	122.6	121.5	120.3	119.1	117.9	116.7	.9	128.6	129.7	130.9	132.1	133.3	134.5	135.7	136.9	138.0	139.2	140.4
4.0	133.3	132.1	130.9	129.7	128.5	127.3	126.1	124.9	123.7	122.5	121.3	4.0	133.3	134.5	135.7	136.9	138.2	139.4	140.6	141.7	143.0	144.2	145.4
.1	138.2	137.0	135.7	134.5	133.3	132.1	130.9	129.6	128.4	127.2	126.0	.1	138.2	139.4	140.6	141.9	143.1	144.3	145.5	146.7	148.0	149.2	150.4
.2	143.1	141.9	140.6	139.4	138.2	136.9	135.7	134.4	133.2	131.9	130.7	.2	143.1	144.4	145.6	146.8	148.1	149.3	150.6	151.8	153.0	154.3	155.5
.3	148.1	146.9	145.6	144.3	143.1	141.8	140.6	139.3	138.0	136.8	135.5	.3	148.1	149.4	150.6	151.9	153.2	254.4	155.7	156.9	158.2	159.4	160.7
.4	153.2	151.9	150.6	149.4	148.1	146.8	145.5	144.3	143.0	141.7	140.4	.4	153.2	154.5	155.7	157.0	158.3	159.6	160.9	162.1	163.4	164.7	166.0
.5	158.3	157.0	155.7	154.5	153.2	151.9	150.6	149.3	148.0	146.7	145.4	.5	158.3	159.6	160.9	162.2	163.5	164.8	166.1	167.4	168.7	170.0	171.3
.6	163.6	162.2	160.9	159.6	158.3	157.0	155.7	154.4	153.0	151.7	150.4	.6	163.6	164.9	166.2	167.5	168.8	170.1	171.4	172.8	174.1	175.4	176.7
.7	168.9	167.5	166.2	164.9	163.5	162.2	160.9	159.5	158.2	156.9	155.5	.7	168.9	170.2	171.5	172.9	174.2	175.5	176.9	178.2	179.5	180.9	182.2
.8	174.2	172.9	171.5	170.2	168.8	167.5	166.1	164.8	163.4	162.1	160.7	.8	174.3	175.6	176.9	178.3	179.6	181.0	182.3	183.7	185.0	186.4	187.7
.9	179.7	178.3	176.9	175.6	174.2	172.8	171.5	170.1	168.7	167.3	166.0	.9	179.7	181.0	182.4	183.8	185.2	186.5	187.9	189.3	190.6	192.0	193.4
5.0	185.2	183.8	182.4	181.0	179.6	178.3	176.9	175.5	174.1	172.7	171.3	5.0	185.2	186.6	188.0	189.4	190.7	192.1	193.5	194.9	196.3	197.7	199.1
.1	190.8	189.4	188.0	186.6	185.2	183.7	182.3	180.9	179.5	178.1	176.7	.1	190.8	192.2	193.6	195.0	196.4	197.8	199.2	200.6	202.0	203.4	204.9
.2	196.4	195.0	193.6	192.2	190.7	189.3	187.9	186.5	185.0	183.6	182.2	.2	196.4	197.9	199.3	200.7	202.1	203.6	205.0	206.4	207.8	209.3	210.7
.3	202.2	200.7	199.3	197.9	196.4	195.0	193.5	192.1	190.6	189.2	187.8	.3	202.2	203.6	205.1	206.5	208.0	209.4	210.9	212.3	213.7	215.2	216.6
.4	208.0	206.5	205.1	203.6	202.1	200.7	199.2	197.8	196.3	194.8	193.4	.4	208.0	209.5	210.9	212.4	213.9	215.3	216.8	218.2	219.7	221.2	222.6
.5	215.7	214.3	212.8	211.3	209.8	208.3	206.9	205.4	203.9	202.4	200.9	.5	215.7	217.2	218.7	220.2	221.7	223.2	224.6	225.1	227.6	229.1	230.6
.6	221.7	220.2	218.7	217.2	215.7	214.2	212.7	211.2	209.7	208.2	206.7	.6	221.7	223.2	224.7	226.2	227.7	229.2	230.7	232.2	233.7	235.2	236.7
.7	227.7	226.2	224.7	223.2	221.7	220.1	218.6	217.1	215.6	214.1	212.6	.7	227.7	229.3	230.8	232.3	233.8	235.3	236.9	238.4	239.9	240.4	242.9
.8	233.9	232.3	230.8	229.2	227.7	226.2	224.6	223.1	221.6	220.0	218.5	.8	233.9	235.4	236.9	238.5	240.0	241.5	243.1	244.6	246.1	247.7	249.2
.9	240.0	238.5	236.9	235.4	233.8	232.3	230.7	229.2	227.6	226.0	224.5	.9	240.0	241.6	243.2	244.7	246.5	247.8	249.4	250.9	252.5	254.0	255.6

BASE 12 FEET

Side Slopes 2 : 1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	2.26	1.69	1.11								
.2	4.59	4.00	3.41	2.81	2.22						
.3	7.00	6.39	5.78	5.16	4.55	3.94	3.33				
.4	9.48	8.85	8.22	7.59	6.96	6.33	5.70	5.06	4.40		
.5	12.04	11.39	10.74	10.09	9.44	8.79	8.14	7.49	6.84	6.19	5.54
.6	14.67	14.00	13.33	12.66	11.99	11.32	10.65	9.98	9.32	8.65	7.97
.7	17.37	16.68	15.99	15.31	14.62	13.93	13.24	12.55	11.87	11.18	10.49
.8	20.15	19.44	18.73	18.03	17.32	16.61	15.91	15.20	14.49	13.79	13.08
.9	23.00	22.27	21.55	20.82	20.10	19.37	18.64	17.92	17.19	16.47	15.74
1.0	25.93	25.18	24.44	23.69	22.95	22.21	21.46	20.72	19.97	19.23	18.49
.1	28.93	28.16	27.40	26.64	25.88	25.12	24.35	23.59	22.83	22.07	21.31
.2	32.00	31.22	30.44	29.66	28.88	28.10	27.32	26.54	25.76	24.98	24.20
.3	35.15	34.35	33.55	32.75	31.96	31.16	30.36	29.56	28.76	27.97	27.17
.4	38.46	37.64	36.83	36.01	35.20	34.38	33.56	32.75	31.93	31.12	30.30
.5	41.67	40.83	41.00	39.16	38.33	37.50	36.66	35.83	34.99	34.16	33.33
.6	45.04	44.19	43.33	42.48	41.63	40.78	39.93	39.07	38.22	37.37	36.52
.7	48.48	47.61	46.74	45.87	45.00	44.13	43.26	42.39	41.52	40.65	39.78
.8	52.00	51.11	50.22	49.34	48.45	47.56	46.67	45.78	44.90	44.01	43.12
.9	55.59	54.69	53.78	52.87	51.96	51.06	50.15	49.24	48.34	47.43	46.52
2.0	59.26	58.33	57.41	56.48	55.56	54.63	53.70	52.78	51.85	50.93	50.00
.1	63.00	62.06	61.11	60.17	59.22	58.28	57.33	56.39	55.44	54.50	53.55
.2	66.82	65.85	64.89	63.92	62.96	62.00	61.03	60.07	59.10	58.14	57.18
.3	70.70	69.72	68.74	67.75	66.77	65.79	64.81	63.82	62.84	61.86	60.87
.4	74.67	73.67	72.66	71.66	70.65	69.65	68.65	67.65	66.65	65.65	64.65
.5	78.70	77.68	76.66	75.64	74.62	73.60	72.58	71.56	70.54	69.52	68.49
.6	82.81	81.77	80.73	79.69	78.65	77.61	76.57	75.53	74.49	73.45	72.41
.7	87.09	85.94	84.88	83.82	82.76	81.71	80.65	79.59	78.53	77.47	76.41
.8	91.26	90.18	89.10	88.03	86.95	85.87	84.79	83.71	82.64	81.56	80.48
.9	95.59	94.50	93.40	92.30	91.20	90.11	89.01	87.91	86.82	85.72	84.62

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	2.26	2.83	3.41	3.98	4.56	5.13	5.70	6.28	6.85	7.43	8.00
.2	4.59	5.19	5.78	6.37	6.97	7.56	8.15	8.74	9.34	9.93	10.52
.3	7.00	7.61	8.22	8.84	9.44	10.05	10.66	11.27	11.89	12.50	13.12
.4	9.48	10.11	10.74	11.37	12.01	12.64	13.27	13.90	14.53	15.16	15.79
.5	12.04	12.69	13.34	13.99	14.66	15.39	15.94	16.69	17.24	17.99	18.54
.6	14.67	15.34	16.01	16.67	17.34	18.01	18.68	19.35	20.02	20.69	21.36
.7	17.37	18.06	18.75	19.43	20.12	20.81	21.50	22.19	22.87	23.56	24.25
.8	20.15	20.86	21.56	22.27	22.98	23.68	24.39	25.10	25.80	26.51	27.22
.9	23.00	23.73	24.45	25.18	25.90	26.63	27.36	28.08	28.81	29.53	30.26
1.0	25.93	26.67	27.41	28.16	28.90	29.65	30.39	31.13	31.88	32.62	33.37
.1	28.93	29.69	30.45	31.21	31.97	32.74	33.50	34.26	35.02	35.78	36.55
.2	32.00	32.78	33.56	34.34	35.12	35.90	36.68	37.46	38.24	39.02	39.80
.3	35.15	35.95	36.74	37.54	38.34	39.14	39.94	40.73	41.53	42.33	43.13
.4	38.46	39.28	40.09	40.91	41.72	42.54	43.36	44.17	44.99	45.80	46.62
.5	41.67	42.50	43.33	44.17	45.00	45.84	46.67	47.50	48.34	49.17	50.01
.6	45.04	45.89	46.74	47.60	48.45	49.30	50.15	51.00	51.85	52.71	53.56
.7	48.48	49.35	50.22	51.09	51.96	52.83	53.70	54.57	55.44	56.31	57.18
.8	52.00	52.89	53.78	54.66	55.55	56.44	57.33	58.22	59.10	59.99	60.88
.9	55.59	56.50	57.41	58.31	59.22	60.13	61.03	61.94	62.85	63.76	64.66
2.0	59.26	60.19	61.11	62.04	62.96	63.89	64.82	65.74	66.67	67.59	68.52
.1	63.00	63.95	64.89	65.84	66.78	67.73	68.67	69.62	70.56	71.51	72.45
.2	66.82	67.78	68.74	59.71	70.67	71.64	72.60	73.56	74.53	75.49	76.46
.3	70.70	71.69	72.67	73.65	74.64	75.62	76.60	77.58	78.57	79.55	80.53
.4	74.67	75.67	76.67	77.67	78.68	79.68	80.68	81.68	82.68	83.69	84.69
.5	78.70	79.73	80.75	81.77	82.79	83.81	84.83	85.85	86.87	87.89	88.91
.6	82.81	83.85	84.89	85.93	86.97	88.01	89.05	90.09	91.13	92.17	93.21
.7	87.00	88.06	89.12	90.18	91.24	92.30	93.35	94.41	95.47	96.53	97.59
.8	91.26	92.34	93.42	94.49	95.57	96.65	67.73	98.81	99.88	101.0	102.0
.9	95.59	96.69	97.79	98.88	99.98	101.1	102.2	103.3	104.4	105.5	106.6

BASE 12 FEET

Side Slopes 2 : 1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
3.0	100.0	98.89	97.77	96.66	95.54	94.43	93.31	92.20	91.08	89.97	88.85
.1	104.5	103.4	102.2	101.1	99.95	98.82	97.68	96.55	95.42	94.28	93.15
.2	109.0	107.9	106.7	105.6	104.8	103.3	102.1	101.0	99.83	98.68	97.53
.3	113.7	112.5	111.3	110.2	109.0	107.8	106.7	105.5	104.3	103.2	102.0
.4	118.4	117.2	116.0	114.8	113.6	112.4	111.3	110.1	108.9	107.7	106.5
.5	123.0	121.8	120.6	119.4	118.1	116.9	115.7	114.5	113.3	112.1	110.9
.6	128.0	126.8	125.6	124.3	123.1	121.9	120.7	119.4	118.2	117.0	115.8
.7	132.9	131.7	130.4	129.2	128.0	126.7	125.5	124.2	123.0	121.8	120.5
.8	137.9	136.7	135.4	134.2	132.9	131.6	130.4	129.1	127.9	126.6	125.3
.9	143.0	141.7	140.5	139.2	137.9	136.6	135.3	134.1	132.8	131.5	130.2
4.0	148.2	146.9	145.6	144.3	143.0	141.7	140.4	139.1	137.8	136.5	135.2
.1	153.4	152.1	150.7	149.4	148.1	146.8	145.5	144.2	142.9	141.5	140.2
.2	158.7	157.3	156.0	154.7	153.3	152.0	150.7	149.3	148.0	146.7	145.3
.3	164.0	162.7	161.3	160.0	158.6	157.3	155.9	154.6	153.2	151.9	150.5
.4	169.5	168.1	166.7	165.4	164.0	162.6	161.3	159.9	158.5	157.1	155.8
.5	175.0	173.6	172.2	170.8	169.4	168.0	166.7	165.3	163.9	162.5	161.1
.6	180.6	179.2	177.8	176.4	175.0	173.5	172.1	170.7	169.3	167.9	166.5
.7	186.3	184.8	183.4	182.0	180.5	179.1	177.7	176.4	174.8	173.4	172.0
.8	192.0	190.5	189.1	187.7	186.2	184.8	183.3	181.9	180.4	179.0	177.5
.9	197.8	196.4	194.9	193.4	191.9	190.5	189.0	187.6	186.1	184.6	183.1
5.0	203.7	202.2	200.7	199.3	197.8	196.8	194.8	193.3	191.8	190.3	188.9
.1	209.7	208.2	206.7	205.2	203.7	202.2	200.7	199.2	197.6	196.1	194.6
.2	215.7	214.2	212.7	211.1	209.6	208.1	206.6	205.1	203.5	202.0	200.5
.3	221.8	220.3	218.7	217.2	215.7	214.1	211.6	211.0	209.5	208.0	206.4
.4	228.0	226.4	224.9	223.3	221.8	220.2	218.7	217.1	215.5	214.0	212.4
.5	234.3	232.7	231.1	229.5	228.0	226.4	224.8	223.3	221.7	220.1	218.5
.6	240.7	239.1	237.5	235.9	234.3	232.7	231.2	229.6	228.0	226.4	224.8
.7	247.0	245.4	243.8	242.2	240.6	239.0	237.4	235.7	234.1	232.5	230.9
.8	253.5	251.9	250.2	248.6	247.0	245.4	243.7	242.1	240.5	238.8	237.2
.9	260.0	258.4	256.8	255.1	253.5	251.8	250.2	248.5	246.9	245.2	243.6

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
3.0	100.0	101.1	102.2	103.4	104.5	105.6	106.7	107.8	108.9	110.0	111.2
.1	104.5	105.6	106.8	107.9	109.0	110.2	111.3	112.4	113.6	114.7	115.8
.2	109.0	110.2	111.3	112.5	113.6	114.8	116.0	117.1	118.3	119.4	120.6
.3	113.7	114.8	116.0	117.2	118.3	119.5	120.7	121.9	123.0	124.2	125.4
.4	118.4	119.6	120.7	121.9	123.1	124.3	125.5	126.7	127.9	129.1	130.2
.5	123.0	124.2	125.4	126.6	127.8	129.0	130.2	131.4	132.6	133.8	135.0
.6	128.0	129.2	130.5	131.7	132.9	134.1	135.3	136.6	137.8	139.0	140.2
.7	132.9	134.2	135.4	136.7	137.9	139.1	140.4	141.6	142.9	144.1	145.3
.8	137.9	139.2	140.4	141.7	143.0	144.2	145.5	146.7	148.0	149.3	150.5
.9	143.0	144.3	145.6	146.8	148.1	149.4	150.7	151.9	153.2	154.5	155.8
4.0	148.2	149.4	150.7	152.0	153.3	154.6	155.9	157.2	158.5	159.8	161.1
.1	153.4	154.6	156.0	157.3	158.6	159.9	161.3	162.6	163.9	165.2	166.5
.2	158.7	160.0	161.3	162.7	164.0	165.4	166.7	168.0	169.3	170.7	172.0
.3	164.0	165.4	166.7	168.1	169.5	170.8	172.2	173.5	174.9	176.2	177.6
.4	169.5	170.9	172.2	173.6	175.0	176.3	177.7	179.1	180.5	181.8	183.2
.5	175.0	176.4	177.8	179.2	180.1	182.0	183.4	184.7	186.1	187.5	188.9
.6	180.6	182.0	183.4	184.8	186.2	187.6	189.1	190.5	191.9	193.3	194.7
.7	186.3	187.7	189.1	190.7	192.0	193.4	194.8	196.3	197.7	199.1	200.6
.8	192.0	193.5	194.9	196.3	197.8	199.2	200.7	202.1	203.6	205.0	206.5
.9	197.8	199.3	200.8	202.2	203.7	205.1	206.6	208.1	209.6	211.0	212.5
5.0	203.7	205.2	206.7	208.2	209.6	211.1	212.6	214.1	215.6	217.1	218.6
.1	209.7	211.2	212.7	214.2	215.7	217.2	218.7	220.2	221.7	223.2	224.7
.2	215.7	217.2	218.7	220.3	221.8	223.3	224.8	226.4	227.9	229.4	230.9
.3	221.8	223.4	224.9	226.5	228.0	229.5	231.1	232.6	234.1	235.7	237.2
.4	228.0	229.6	231.1	232.7	234.2	235.8	237.3	238.9	240.5	242.0	243.6
.5	234.3	235.8	237.4	239.0	240.6	242.1	243.7	245.3	246.8	248.4	250.0
.6	240.7	242.3	243.9	245.5	247.1	248.7	250.2	251.8	253.4	255.0	256.6
.7	247.0	248.6	250.2	251.8	253.4	255.1	256.7	258.3	259.9	261.5	263.1
.8	253.5	255.1	256.8	258.4	260.0	261.6	263.2	264.9	266.5	268.1	269.8
.9	260.0	261.7	263.3	265.0	266.6	268.3	269.9	271.6	273.2	274.8	276.5

BASE 14 FEET

Side Slopes 2 : 1

— +

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	2.63	1.96	1.30								
.2	5.33	4.65	3.97	3.28	2.60						
.3	8.11	7.41	6.71	6.01	5.30	4.60	3.90				
.4	10.96	10.24	9.52	8.80	8.08	7.36	6.64	5.92	5.20		
.5	13.89	13.15	12.41	11.68	10.94	10.20	9.46	8.72	7.99	7.25	6 51
.6	16.89	16.13	15.38	14.62	13.87	13.11	12.35	11.60	10.84	10.09	9.33
.7	19.96	19.19	18.41	17.64	16.87	16.09	15.32	14.54	13.78	13.00	12.22
.8	23.11	22.32	21.53	20.74	19.94	19.15	18.36	17.57	16.78	15.98	15.19
.9	26.33	25.52	24.71	23.90	23.09	22.28	21.47	20.66	19.85	19.04	18.23
1.0	29.63	28.80	27.97	27.14	26.31	25.48	24.66	23.83	23.00	22.17	21.34
.1	33.00	32.15	31.30	30.46	29.61	28.76	27.91	27.06	26.22	25.37	24.52
.2	36.44	35.78	34.71	33.84	32.98	32.11	31.24	30.38	29.51	28.64	27.77
.3	39.96	39.08	38.19	37.30	36.42	35.53	34.65	33.76	32.87	31.99	31.10
.4	43.56	42.65	41.75	40.84	39.94	39.03	38.13	37.22	36.31	35.41	34.51
.5	47.22	46.30	45.37	44.45	43.53	42.60	41.68	40.75	39.83	38.91	37.98
.6	50.96	50.02	49.08	48.13	47.19	46.25	45.31	44.36	43.42	42.48	41.53
.7	54.78	53.82	52.85	51.89	50.93	49.97	49.01	48.04	47.08	46.12	45.16
.8	58.67	57.69	56.70	55.72	54.74	53.76	52.78	51.80	50.82	49.83	48.86
.9	62.63	61.63	60.63	59.63	58.63	57.63	56.63	55.63	54.63	53.63	52.63
2.0	66.67	65.65	64.63	63.61	62.59	61.58	60.56	59.54	58.52	57.50	56.49
.1	70.78	69.74	68.71	67.67	66.63	65.59	64.56	63.53	62.49	61.45	60.42
.2	74.96	73.91	72.86	71.80	70.75	69.69	68.64	67.59	66.53	65.48	64.42
.3	79.22	78.15	77.08	76.01	74.93	73.86	72.79	71.72	70.65	69.57	68.50
.4	83.52	82.43	81.34	80.25	79.16	78.07	76.98	75.89	74.80	73.71	72.62
.5	87.96	86.86	85.75	84.64	83.53	82.42	81.32	80.21	79.10	77.99	76.88
.6	92.44	91.32	90.19	89.07	87.94	86.81	85.69	84.56	83.44	82.31	81.18
.7	97.00	95.86	94.71	93.57	92.42	91.28	90.14	88.99	87.85	86.70	85.56
.8	101.6	100.5	99.31	98.14	96.98	95.82	94.66	93.50	92.33	91.17	90.01
.9	106.3	105.1	104.0	102.8	101.6	100.4	99.25	98.07	96.89	95.71	94.53

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	2.63	3.30	3.96	4.63	5.29	5.95	6.62	7.28	7.95	8.61	9.29
.2	5.33	6.02	6.69	7.38	8.06	8.74	9.43	10.11	10.79	11.47	12.17
.3	8.11	8.81	9.52	10.22	10.92	11.62	12.32	13.03	13.73	14.43	15.13
.4	10.96	11.68	12.40	13.12	13.84	14.56	15.28	16.00	16.72	17.42	18.16
.5	13.89	14.63	15.37	16.10	16.84	17.58	18.32	19.06	19.79	20.53	21.27
.6	16.89	17.64	18.40	19.16	19.91	20.67	21.43	22.18	22.94	23.69	24.45
.7	19.96	20.74	21.51	22.28	23.06	23.83	24.61	25.38	26.15	26.93	27.70
.8	23.11	23.90	24.70	25.49	26.28	27.07	27.86	28.66	29.45	30.24	31.03
.9	26.33	27.14	27.93	28.76	29.57	30.38	31.19	32.00	32.81	33.62	34.43
1.0	29.63	30.46	31.29	32.12	32.95	33.77	34.60	35.43	36.26	37.09	37.90
.1	33.00	33.85	34.70	35.54	36.39	37.24	38.09	38.94	39.78	40.63	41.48
.2	36.44	37.31	38.18	39.05	39.91	40.78	41.65	42.51	43.38	44.25	45.11
.3	39.96	40.85	41.73	42.62	43.51	44.39	45.28	46.16	47.05	47.94	48.82
.4	43.56	44.46	45.37	46.27	47.18	48.08	48.99	49.89	50.80	51.70	52.61
.5	47.22	48.15	49.07	49.99	50.92	51.84	52.77	53.69	54.61	55.54	56.46
.6	50.96	51.91	52.85	53.79	54.74	55.68	56.62	57.56	58.51	59.45	60.39
.7	54.78	55.74	56.70	57.66	58.63	59.58	60.55	61.51	62.47	63.44	64.40
.8	58.67	59.65	60.63	61.61	62.59	63.57	64.55	65.53	66.51	67.50	68.48
.9	62.63	63.63	64.63	65.63	66.63	67.63	68.63	69.63	70.63	71.63	72.63
2.0	66.67	67.68	68.70	69.72	70.74	71.76	72.77	73.79	74.81	75.83	76.85
.1	70.78	71.81	72.85	73.89	74.92	75.96	76.99	78.03	79.07	80.10	81.14
.2	74.96	76.02	77.07	78.13	79.18	80.23	81.29	82.34	83.40	84.45	85.50
.3	79.22	80.29	81.37	82.44	83.51	84.58	85.65	86.73	87.80	88.87	89.94
.4	83.62	84.61	85.70	86.79	87.88	88.97	90.06	91.15	92.24	93.33	94.42
.5	87.96	89.07	90.18	91.29	92.40	93.50	94.61	95.72	96.83	97.94	99.04
.6	92.44	93.57	94.70	95.82	96.95	98.07	99.20	100.3	101.4	102.6	103.7
.7	97.06	98.14	99.29	100.4	101.6	102.7	103.9	105.0	106.2	107.3	108.4
.8	101.6	102.8	103.9	105.1	106.3	107.4	108.6	109.7	110.9	112.1	113.3
.9	106.3	107.5	108.7	109.9	111.1	112.2	113.4	114.6	115.8	116.9	118.2

BASE 14 FEET

Side Slopes 2 : 1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
3.0	111.1	109.0	108.7	107.5	106.3	105.1	103.9	102.7	101.5	100.3	99.10
.1	115.9	114.7	113.5	112.3	111.1	109.9	108.7	107.4	106.2	105.0	103.7
.2	120.9	119.7	118.4	117.2	115.9	114.7	113.5	112.2	111.0	109.8	108.5
.3	125.9	124.6	123.4	122.1	120.9	119.6	118.4	117.1	115.8	114.6	113.3
.4	131.0	129.7	128.4	127.1	125.9	124.6	123.3	122.0	120.8	119.5	118.2
.5	136.1	134.8	133.5	132.2	130.9	129.6	128.4	127.0	125.8	124.5	123.2
.6	141.3	140.0	138.7	137.4	136.1	134.8	133.5	132.1	130.8	129.5	128.2
.7	146.6	145.3	144.0	142.6	141.3	140.0	138.6	137.3	136.0	134.6	133.3
.8	152.0	150.7	149.3	148.0	146.6	145.2	143.9	142.5	141.2	139.8	138.5
.9	157.4	156.1	154.7	153.3	152.0	150.6	149.2	147.9	146.5	145.1	143.7
4.0	163.0	161.6	160.2	158.8	157.4	156.0	154.6	153.3	151.9	150.5	149.1
.1	168.6	167.2	165.7	164.3	163.0	161.5	160.1	158.7	157.3	155.9	154.5
.2	174.2	172.8	171.4	170.0	168.5	167.1	165.7	164.3	162.8	161.4	160.0
.3	180.0	178.5	177.1	175.6	174.2	173.8	172.3	170.9	169.4	168.0	166.5
.4	185.8	184.3	182.9	181.4	180.0	178.5	177.0	175.6	174.1	172.6	171.2
.5	191.7	190.2	188.7	187.2	185.8	184.3	182.8	181.3	179.8	178.4	177.0
.6	197.6	196.1	194.6	193.1	191.7	190.2	188.7	187.2	185.7	184.2	182.7
.7	203.7	202.2	200.7	199.1	197.6	196.1	194.6	193.1	191.6	190.0	188.5
.8	209.8	208.3	206.7	205.2	203.7	202.1	200.6	199.1	197.5	196.0	194.5
.9	216.0	214.4	212.9	211.3	209.8	208.2	206.7	205.1	203.6	202.0	200.5
5.0	222.2	220.7	219.1	217.5	216.0	214.4	212.8	211.2	209.7	208.1	206.5
.1	228.6	226.9	225.3	223.7	222.1	220.5	219.0	217.3	215.8	214.1	212.8
.2	235.0	233.4	231.8	230.1	228.5	226.9	225.3	223.7	222.1	220.5	218.9
.3	241.5	239.8	238.2	236.6	234.9	233.3	231.7	230.1	228.4	226.8	225.2
.4	248.0	246.4	244.7	243.1	241.4	239.8	238.1	236.5	234.8	233.2	231.6
.5	254.6	253.0	251.3	249.6	248.0	246.3	244.7	243.0	241.3	239.7	238.0
.6	261.3	259.7	258.0	256.3	254.6	252.9	251.2	249.6	247.9	246.2	244.5
.7	268.1	266.4	264.7	263.0	261.3	259.6	257.9	256.2	254.5	252.8	251.1
.8	275.0	273.2	271.5	269.8	268.1	266.4	264.6	262.9	261.2	259.5	257.8
.9	281.9	280.2	278.4	276.7	274.9	273.2	271.5	269.7	268.0	266.2	264.5

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
3.0	111.1	112.3	113.5	114.7	115.1	117.1	118.3	119.5	120.7	121.9	123.1
.1	115.9	117.2	118.4	119.6	120.8	122.1	123.3	124.5	125.7	126.9	128.1
.2	120.9	122.1	123.4	124.6	125.8	127.1	128.3	129.6	130.8	132.0	133.3
.3	125.9	127.2	128.4	129.7	130.9	132.2	133.4	134.7	135.9	137.2	138.5
.4	131.0	132.2	133.5	134.8	136.1	137.3	138.6	139.9	141.2	142.4	143.7
.5	136.1	137.4	138.7	140.0	141.3	142.6	143.9	145.2	146.5	147.8	149.1
.6	141.3	142.7	144.0	145.3	146.6	147.9	149.2	150.5	151.8	153.2	154.5
.7	146.6	148.0	149.3	150.6	152.0	153.3	154.6	156.0	157.3	158.6	160.0
.8	152.0	153.4	154.7	156.1	157.4	158.8	160.1	161.5	162.8	164.1	165.5
.9	157.4	158.8	160.2	161.6	162.9	164.3	165.7	167.0	168.4	169.8	171.1
4.0	163.0	164.4	165.7	167.1	168.5	169.9	171.3	172.7	174.1	175.5	176.8
.1	168.6	170.0	171.4	172.8	174.2	175.6	177.0	178.4	179.8	181.2	182.6
.2	174.2	175.7	177.1	178.5	179.9	181.3	182.8	184.2	185.6	187.0	188.5
.3	179.9	181.4	182.9	184.3	185.7	187.2	188.6	190.1	191.5	192.9	194.4
.4	185.8	187.2	188.7	190.2	191.6	193.1	194.5	196.0	197.5	198.9	200.4
.5	191.7	193.2	194.6	196.1	197.6	199.1	200.5	202.0	203.5	205.0	206.5
.6	197.6	199.1	200.6	202.1	203.6	205.1	206.6	208.1	209.6	211.1	212.6
.7	203.7	205.2	206.7	208.2	209.7	211.2	212.8	214.3	215.8	217.3	218.8
.8	209.8	211.3	212.8	214.4	215.9	217.4	219.0	220.5	222.0	223.6	225.1
.9	216.0	217.5	219.1	220.6	222.2	223.7	225.3	226.8	228.4	230.2	231.8
5.0	222.2	223.8	225.4	226.9	228.5	230.1	231.6	233.2	234.8	236.3	237.9
.1	228.6	230.1	231.7	233.3	234.9	236.5	238.1	239.7	241.3	242.9	244.4
.2	235.0	236.6	238.2	239.8	241.4	243.0	244.6	246.2	247.8	249.4	251.0
.3	241.5	243.1	244.7	246.3	248.0	249.6	251.2	252.8	254.5	256.1	257.7
.4	248.0	249.7	251.3	252.9	254.6	256.2	257.9	259.5	261.2	262.8	264.5
.5	254.6	256.3	258.0	259.6	261.3	263.0	264.6	266.3	267.9	269.6	271.3
.6	261.3	263.0	264.7	266.4	268.1	269.8	271.4	273.1	274.8	276.5	278.2
.7	268.1	269.8	271.5	273.2	274.9	276.6	278.3	280.0	281.7	283.4	285.1
.8	275.0	276.7	278.4	280.1	281.9	283.6	285.3	287.0	288.8	290.5	292.2
.9	281.9	283.6	285.4	287.1	288.9	290.5	292.3	294.1	295.8	297.6	299.3

BASE 16 FEET

Side Slopes 2 : 1

— +

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	3.00	2.24	1.48								
.2	6.07	5.30	4.53	3.75	2.97						
.3	9.22	8.41	7.62	6.83	6.04	5.25	4.46				
.4	12.44	11.61	10.80	9.98	9.17	8.35	7.54	6.72	5.91		
.5	15.74	14.90	14.05	13.21	12.36	11.52	10.67	9.88	8.98	8.14	7.29
.6	19.11	18.26	17.40	16.55	15.70	14.84	13.99	13.13	12.28	11.43	10.57
.7	22.56	21.68	20.81	19.94	19.06	18.19	17.32	16.44	15.57	14.70	13.83
.8	26.07	25.18	24.29	23.40	22.51	21.61	20.72	19.83	18.94	18.05	17.15
.9	29.66	28.75	27.84	26.93	26.02	25.11	24.20	23.29	22.38	21.46	20.55
1.0	33.33	32.40	31.48	30.55	29.62	28.69	27.76	26.83	25.90	24.97	24.04
.1	37.07	36.13	35.18	34.23	33.29	32.34	31.39	30.45	29.50	28.55	27.60
.2	40.89	39.92	38.96	37.99	37.03	36.06	35.10	34.13	33.17	32.20	31.24
.3	44.78	43.79	42.81	41.83	40.84	39.86	38.87	37.89	36.91	35.92	34.94
.4	48.74	47.76	46.77	45.79	44.81	43.82	42.84	41.85	40.87	39.89	38.90
.5	52.78	51.77	50.77	49.77	48.77	47.76	46.76	45.76	44.75	43.75	42.75
.6	56.89	55.85	54.81	53.77	52.73	51.69	50.66	49.62	48.58	47.54	46.50
.7	61.07	60.02	58.96	57.90	56.85	55.79	53.73	52.68	51.62	50.56	49.50
.8	65.33	64.26	63.18	62.11	61.03	59.96	58.88	57.81	56.73	55.66	54.58
.9	69.67	68.57	67.48	66.39	65.30	64.20	63.11	62.02	60.92	59.83	58.74
2.0	74.07	72.96	71.85	70.74	69.63	68.51	67.40	66.29	65.18	64.07	62.95
.1	78.56	77.42	76.29	75.16	74.03	72.90	71.77	70.64	69.51	68.38	67.25
.2	83.11	81.96	80.81	79.66	78.51	77.36	76.21	75.06	73.91	72.76	71.61
.3	87.74	86.57	85.40	84.23	83.06	81.89	80.73	79.56	78.39	77.22	76.05
.4	92.44	91.26	90.07	88.88	87.69	86.50	85.32	84.13	82.94	81.75	80.56
.5	97.22	96.02	94.81	93.60	92.39	91.19	89.98	88.77	87.57	86.36	85.15
.6	102.1	100.9	99.62	98.40	97.17	95.94	94.72	93.49	92.27	91.04	89.81
.7	107.0	105.8	104.5	103.3	102.0	100.8	99.53	98.29	97.04	95.19	94.55
.8	112.0	110.7	109.5	108.2	106.9	105.7	104.4	103.2	101.9	100.6	99.36
.9	117.1	115.8	114.5	113.3	112.0	110.7	109.4	108.2	106.9	105.6	104.3

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	3.00	3.76	4.52	5.28	6.04	6.80	7.55	8.31	9.07	9.83	10.59
.2	6.07	6.85	7.63	8.41	9.19	9.96	10.74	11.52	12.30	13.08	13.85
.3	9.22	10.02	10.82	11.61	12.41	13.21	14.00	14.80	15.60	16.40	17.19
.4	12.44	13.26	14.08	14.89	15.71	16.52	17.34	18.16	18.97	19.79	20.60
.5	15.74	16.59	17.43	18.28	19.12	19.97	20.81	21.66	22.30	23.35	24.09
.6	19.11	19.97	20.82	21.67	22.53	23.38	24.24	25.09	25.94	26.80	27.65
.7	22.56	23.43	24.30	25.17	26.05	26.92	27.79	28.67	29.54	30.41	31.29
.8	26.07	26.97	27.86	28.75	29.64	30.63	31.43	32.33	33.21	34.10	34.99
.9	29.66	30.57	31.49	32.40	33.31	34.22	35.13	36.04	36.95	37.86	38.77
1.0	33.33	34.26	35.19	36.12	37.05	37.98	38.91	39.84	40.77	41.69	42.62
.1	37.07	38.02	38.97	39.92	40.86	41.81	42.76	43.70	44.65	45.60	46.54
.2	40.89	41.85	42.82	43.78	44.75	45.71	46.68	47.64	48.61	49.57	50.54
.3	44.78	45.76	46.75	47.73	48.71	49.70	50.68	51.67	52.65	53.63	54.62
.4	48.74	49.73	50.71	51.69	52.68	53.66	54.65	55.63	56.71	57.70	58.78
.5	52.78	53.78	54.78	55.79	56.79	57.79	58.80	59.80	60.80	61.80	62.81
.6	56.89	57.93	58.97	60.01	61.05	62.08	63.12	64.16	65.20	66.24	67.28
.7	61.07	62.13	63.19	64.25	65.30	66.36	67.42	68.47	69.53	70.59	71.64
.8	65.33	66.41	67.48	68.56	69.63	70.71	71.78	72.86	73.93	75.01	76.08
.9	69.67	70.76	71.85	72.95	74.04	75.13	76.23	77.32	78.41	79.50	80.60
2.0	74.07	75.19	76.30	77.41	78.52	79.63	80.75	81.86	82.97	84.08	85.19
.1	78.56	79.69	80.82	81.95	83.08	84.21	85.34	86.47	87.60	88.73	89.87
.2	83.11	84.26	85.41	86.56	87.71	88.86	90.01	91.16	92.31	93.46	94.61
.3	87.74	88.90	90.08	91.25	92.42	93.59	94.75	95.92	97.09	98.26	99.43
.4	92.44	93.63	94.82	96.01	97.20	98.38	99.57	100.8	101.9	103.1	104.3
.5	97.22	98.43	99.64	100.8	102.1	103.3	104.5	105.7	106.9	108.1	109.3
.6	102.1	103.3	104.5	105.8	107.0	108.2	109.4	110.7	111.9	113.1	114.3
.7	107.0	108.3	109.5	110.7	112.0	113.2	114.4	115.7	117.0	118.2	119.1
.8	112.0	113.3	114.5	115.8	117.1	118.3	119.6	120.9	122.1	123.4	124.7
.9	117.1	118.4	119.6	120.9	122.2	123.4	124.7	126.0	127.3	128.5	129.8

BASE 16 FEET

Side Slopes 2 : 1

c c	− 0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	c c	+ 0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
3.0	122.2	120.9	119.6	118.4	117.1	115.8	114.5	113.2	111.9	110.6	109.3	**3.0**	122.2	123.5	124.9	126.1	127.4	128.7	130.0	131.3	132.6	133.8	135.1
.1	127.4	126.1	124.8	123.5	122.1	120.8	119.6	118.3	117.0	115.7	114.4	.1	127.4	128.8	130.1	131.4	132.7	134.0	135.3	136.6	137.9	139.2	140.5
.2	132.7	131.4	130.1	128.8	127.4	126.1	124.8	123.5	122.1	120.8	119.4	.2	132.7	134.1	135.4	136.7	138.1	139.4	140.7	142.0	143.4	144.7	146.0
.3	138.1	136.8	135.4	134.1	132.7	131.4	130.0	128.7	127.4	126.0	124.7	.3	138.1	139.5	140.8	142.2	143.5	144.8	146.2	147.5	148.9	150.2	151.6
.4	143.6	142.2	140.8	139.5	138.1	136.7	135.4	134.0	132.7	131.3	129.9	.4	143.6	144.9	146.3	147.6	149.0	150.4	151.7	153.1	154.5	155.8	157.2
.5	149.1	147.7	146.3	144.9	143.6	142.2	140.8	139.4	138.0	136.7	135.3	.5	149.1	150.5	151.8	153.2	154.6	156.0	157.4	158.7	160.1	161.5	162.9
.6	154.7	153.3	151.9	150.5	149.1	147.7	146.3	144.9	143.5	142.1	140.7	.6	154.7	156.1	157.5	158.9	160.3	161.7	163.1	164.5	165.9	167.3	168.7
.7	160.3	158.9	157.5	156.1	154.7	153.3	151.8	150.4	149.0	147.6	146.2	.7	160.3	161.8	163.2	164.6	166.0	167.4	168.8	170.3	171.7	173.1	174.5
.8	166.1	164.6	163.2	161.8	160.3	158.9	157.5	156.0	154.6	153.2	151.7	.8	166.1	167.5	168.9	170.4	171.8	173.3	174.7	176.1	177.6	179.0	180.4
.9	171.9	170.4	169.0	167.5	166.1	164.6	163.2	161.7	160.3	158.8	157.4	.9	171.9	173.3	174.8	176.3	177.7	179.2	180.6	182.1	183.5	185.0	186.4
4.0	177.8	176.3	174.8	173.4	171.9	170.4	169.0	167.5	166.0	164.5	163.1	**4.0**	177.8	179.3	180.7	182.2	183.7	185.1	186.6	188.1	189.6	191.0	192.5
.1	183.7	182.3	180.8	179.3	177.8	176.3	174.8	173.3	171.8	170.3	168.8	.1	183.7	185.2	186.7	188.2	189.7	191.2	192.7	194.2	195.7	197.2	198.7
.2	189.8	188.3	186.8	185.3	183.7	182.2	180.7	179.2	177.7	176.2	174.7	.2	189.8	191.3	192.8	194.3	195.8	197.3	198.8	200.3	201.9	203.4	204.9
.3	195.9	194.4	192.8	191.3	189.8	188.2	186.7	185.2	183.6	182.1	180.6	.3	196.0	197.4	199.0	200.5	202.0	203.5	205.1	206.6	208.1	209.7	211.2
.4	202.1	200.5	199.0	197.4	195.9	194.3	192.8	191.2	189.7	188.1	186.6	.4	202.1	203.6	205.2	206.7	208.3	209.8	211.4	212.9	214.5	216.0	217.6
.5	208.3	206.8	205.2	203.6	202.1	200.5	198.9	197.4	195.8	194.2	192.7	.5	208.3	209.9	211.5	213.0	214.6	216.2	217.7	219.3	220.9	222.4	224.0
.6	214.7	213.1	211.5	209.9	208.3	206.7	205.2	203.6	202.0	200.4	198.8	.6	214.7	216.3	217.8	219.4	221.0	222.6	224.2	225.8	227.4	228.9	230.5
.7	221.1	219.5	217.9	216.3	214.7	213.1	211.4	209.8	208.2	206.6	205.0	.7	221.1	222.7	224.3	225.9	227.5	229.1	230.7	232.3	233.9	235.5	237.1
.8	227.6	225.9	224.2	222.7	221.1	219.4	217.8	216.2	214.6	212.9	211.3	.8	227.6	229.2	230.8	232.4	234.1	235.7	237.3	238.9	240.6	242.2	243.8
.9	233.7	232.1	230.5	228.8	227.2	225.6	223.8	222.3	220.6	219.0	217.3	.9	233.7	235.4	237.0	238.7	240.3	242.0	243.6	245.2	246.9	248.5	250.2
5'.0	240.7	239.1	237.4	235.8	234.1	232.4	230.8	229.1	227.5	225.8	224.1	**5.0**	240.7	242.4	244.1	245.7	247.4	249.1	250.7	252.4	254.0	255.7	257.4
.1	247.4	245.8	244.1	242.4	240.7	239.1	237.4	235.7	234.0	232.3	230.7	.1	247.4	249.1	250.8	252.5	254.2	255.8	257.5	259.2	260.9	262.6	264.2
.2	254.2	252.5	250.8	249.1	247.4	245.7	244.0	242.3	240.7	239.0	237.3	.2	254.2	255.9	257.6	259.3	261.0	262.7	264.4	266.1	267.8	269.5	271.2
.3	261.1	259.4	257.6	255.9	254.2	252.5	250.8	249.1	247.4	245.6	243.9	.3	261.1	262.8	264.5	266.2	267.9	269.7	271.4	273.1	274.8	276.5	278.2
.4	268.0	266.3	264.5	262.8	261.1	259.3	257.6	255.9	254.1	252.4	250.7	.4	268.0	269.7	271.5	273.2	274.9	276.7	278.4	280.1	281.9	283.6	285.3
.5	276.9	275.1	273.4	271.6	269.9	268.1	266.4	264.6	262.8	261.1	259.3	.5	276.9	278.6	280.4	282.1	283.9	285.6	287.4	289.1	290.9	292.6	294.4
.6	282.1	280.3	278.5	276.8	275.0	273.2	271.5	269.7	267.9	266.2	264.4	.6	282.1	283.8	285.6	287.4	289.2	290.9	292.7	294.5	296.2	298.9	299.8
.7	289.1	287.3	285.5	283.8	282.0	280.2	278.4	276.6	274.8	273.0	271.2	.7	289.1	290.9	292.7	294.5	296.3	298.1	299.8	301.6	303.4	305.2	307.0
.8	296.4	294.6	292.8	291.0	289.2	287.4	285.6	283.8	282.0	280.2	278.9	.8	296.4	298.3	300.1	301.9	303.7	305.5	307.3	309.1	310.9	312.7	314.2
.9	303.7	301.9	300.1	298.3	296.5	294.6	292.8	291.0	289.2	287.3	285.5	.9	303.7	305.1	307.4	309.2	311.0	312.9	314.7	316.5	318.3	320.2	322.0

BASE 18 FEET

Side Slopes 2 :1 +

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	3.37	2.52	1.67								
.2	6.82	5.94	5.07	4.20	3.33						
.3	10.33	9.44	8.56	7.67	6.78	5.89	5.00				
.4	13.93	13.02	12.11	11.20	10.29	9.39	8.48	7.57	6.66		
.5	17.59	16.67	15.74	14.81	13.89	12.96	12.04	11.11	10.18	9.26	8.33
.6	21.33	20.39	19.44	18.50	17.55	16.61	15.66	14.72	13.77	12.83	11.88
.7	25.15	24.18	23.22	22.26	21.30	20.33	19.40	18.41	17.44	16.48	15.52
.8	29.04	28.05	27.07	26.09	25.11	24.13	23.14	22.16	21.18	20.20	19.22
.9	33.00	32.00	31.00	30.00	29.00	28.00	27.00	26.00	25.00	24.00	23.00
1.0	37.04	36.02	35.00	33.98	32.96	31.94	30.92	29.90	28.89	27.87	26.85
.1	41.15	40.11	39.07	38.04	37.00	35.96	34.93	33.89	32.85	31.82	30.78
.2	45.33	44.28	43.22	42.17	41.11	40.05	39.00	37.94	36.89	35.83	34.77
.3	49.59	48.52	47.44	46.37	45.30	44.22	43.15	42.07	41.00	39.93	38.85
.4	53.93	52.83	51.74	50.65	49.55	48.46	47.37	46.27	45.18	44.09	43.00
.5	58.33	57.22	56.11	55.00	53.89	52.78	51.67	50.56	49.45	48.33	47.22
.6	62.81	61.68	60.55	59.42	58.29	57.16	56.03	54.90	53.77	52.64	51.51
.7	67.37	66.22	65.07	63.93	62.78	61.63	60.48	59.33	58.19	57.04	55.89
.8	72.00	70.83	69.67	68.50	67.33	66.16	65.00	63.83	62.66	61.50	60.33
.9	76.70	75.52	74.33	73.15	71.96	70.78	69.59	68.41	67.22	66.04	64.85
2.0	81.48	80.28	79.07	77.87	76.67	75.46	74.26	73.05	71.85	70.65	69.44
.1	86.33	85.11	83.89	82.67	81.45	80.22	79.00	77.78	76.56	75.34	74.11
.2	91.26	90.02	88.78	87.54	86.30	85.05	83.81	82.57	81.33	80.09	78.85
.3	96.26	95.00	93.74	92.48	91.22	89.96	88.71	87.45	86.19	84.93	83.67
.4	101.3	100.1	98.77	97.50	96.22	94.94	93.66	92.38	91.11	89.83	88.55
.5	106.5	105.2	103.9	102.6	101.3	100.0	98.71	97.41	96.11	94.82	93.52
.6	111.7	110.4	109.1	107.8	106.4	105.1	103.8	102.5	101.2	99.87	98.55
.7	117.0	115.7	114.3	113.0	111.7	110.3	109.0	107.7	106.3	105.0	103.7
.8	122.4	121.0	119.7	118.3	117.0	115.6	114.3	112.9	111.6	110.2	108.9
.9	127.8	126.4	125.1	123.7	122.3	121.0	119.6	118.2	116.9	115.5	114.1
3.0	133.3	131.9	130.6	129.2	127.8	126.4	125.0	123.6	122.2	120.8	119.4
.1	138.9	137.5	136.1	134.7	133.3	131.9	130.5	129.1	127.7	126.3	124.9
.2	144.6	143.2	141.7	140.3	138.9	137.5	136.0	134.6	133.2	131.8	130.3
.3	150.3	148.9	147.5	146.0	144.6	143.1	141.7	140.2	138.8	137.3	135.9
.4	156.2	154.7	153.2	151.8	150.3	148.8	147.4	145.9	144.4	143.0	141.5
.5	162.0	160.6	159.1	157.6	156.1	154.6	153.1	151.7	150.2	148.7	147.2
.6	168.0	166.5	165.0	163.5	162.0	160.5	159.0	157.5	156.0	154.5	153.0
.7	174.0	172.5	171.0	169.5	168.0	166.5	164.9	163.4	161.9	160.4	158.9
.8	180.2	178.6	177.1	175.5	174.0	172.5	170.9	169.4	167.9	166.3	164.8
.9	186.3	184.8	183.2	181.7	180.1	178.6	177.0	175.5	173.9	172.3	170.8

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	3.37	4.22	5.07	5.93	6.78	7.63	8.48	9.33	10.19	11.04	11.89
.2	6.82	7.69	8.56	9.43	10.30	11.17	12.04	12.91	13.78	14.65	15.53
.3	10.33	11.22	12.11	13.00	13.89	14.79	15.67	16.56	17.45	18.33	19.22
.4	13.93	14.83	15.74	16.65	17.56	18.47	19.37	20.28	21.19	22.10	23.01
.5	17.59	18.52	19.44	20.37	21.30	22.22	23.15	24.07	25.00	25.93	26.85
.6	21.33	22.28	23.22	24.17	25.11	26.06	27.00	27.95	28.89	29.84	30.78
.7	25.15	26.11	27.07	28.04	29.00	29.96	30.93	31.89	32.85	33.81	34.78
.8	29.04	30.02	31.00	31.98	32.96	33.95	34.93	35.91	36.89	37.87	38.86
.9	33.00	34.00	35.00	36.00	37.00	38.00	39.00	40.00	41.00	42.00	43.00
1.0	37.04	38.06	39.08	40.09	41.11	42.13	43.15	44.17	45.19	46.21	47.23
.1	41.15	42.19	43.22	44.26	45.30	46.33	47.37	48.41	49.44	50.48	51.52
.2	45.33	46.39	47.45	48.50	49.56	50.61	51.67	52.73	53.78	54.84	55.89
.3	49.59	50.67	51.74	52.81	53.89	54.96	56.04	57.11	58.18	59.26	60.33
.4	53.93	55.02	56.11	57.20	58.30	59.39	60.48	61.58	62.67	63.76	64.86
.5	58.33	59.44	60.56	61.67	62.78	63.89	65.00	66.11	67.22	68.33	69.44
.6	62.81	63.94	65.07	66.20	67.33	68.46	69.59	70.72	71.85	72.98	74.11
.7	67.37	68.52	69.67	70.81	71.96	73.11	74.26	75.41	76.55	77.70	78.85
.8	72.00	73.17	74.33	75.50	76.67	77.83	79.00	80.17	81.34	82.50	83.67
.9	76.70	77.89	79.07	80.26	81.44	82.63	83.81	85.00	86.18	87.37	88.55
2.0	81.48	82.69	83.89	85.09	86.30	87.50	88.71	89.91	91.11	92.32	93.52
.1	86.33	87.56	88.78	90.00	91.22	92.44	93.67	94.89	96.11	97.33	98.55
.2	91.26	92.50	93.74	94.98	96.22	97.46	98.71	99.95	101.2	102.4	103.7
.3	96.26	97.52	98.78	100.0	101.3	102.6	103.8	105.1	106.3	107.6	108.9
.4	101.3	102.6	103.9	105.2	106.4	107.7	109.0	110.3	111.6	112.8	114.1
.5	106.5	107.8	109.1	110.4	111.7	113.0	114.3	115.6	116.9	118.2	119.4
.6	111.7	113.0	114.3	115.7	117.0	118.3	119.6	120.9	122.2	123.5	124.9
.7	117.0	118.3	119.7	121.0	122.3	123.7	125.0	126.3	127.7	129.0	130.3
.8	122.4	123.7	125.1	126.4	127.8	129.1	130.5	131.8	133.2	134.5	135.9
.9	127.8	129.2	130.6	131.9	133.3	134.7	136.0	137.4	138.8	140.1	141.5
3.0	133.3	134.7	136.1	137.5	138.9	140.3	141.7	143.1	144.5	145.8	147.2
.1	138.9	140.3	141.7	143.2	144.5	146.0	147.4	148.8	150.2	151.6	153.0
.2	144.6	146.0	147.4	148.9	150.3	151.7	153.2	154.6	156.0	157.4	158.9
.3	150.3	151.8	153.2	154.7	156.1	157.6	159.0	160.4	161.9	163.3	164.8
.4	156.2	157.6	159.1	160.5	162.0	163.5	164.9	166.4	167.9	169.3	170.8
.5	162.0	163.5	165.0	166.5	168.0	169.4	170.9	172.4	173.9	175.4	176.9
.6	168.0	169.5	171.0	172.5	174.0	175.5	177.0	178.5	180.0	181.5	183.0
.7	174.0	175.6	177.1	178.6	180.1	181.6	183.1	184.7	186.2	187.7	189.2
.8	180.2	181.7	183.2	184.8	186.3	187.3	189.4	190.9	192.4	194.0	195.5
.9	186.3	187.9	189.4	191.0	192.6	194.1	195.7	197.2	198.8	200.3	201.9

BASE 18 FEET

Side Slopes 2 : 1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
4.0	192.6	191.0	189.4	187.9	186.3	184.7	183.2	181.6	180.0	178.4	176.9
.1	198.9	197.3	195.7	194.2	192.6	191.0	189.4	187.8	186.2	184.6	183.0
.2	205.3	203.7	202.1	200.5	198.9	197.3	195.7	194.1	192.5	190.8	189.2
.3	211.8	210.2	208.6	206.9	205.3	203.7	202.0	200.4	198.8	197.1	195.5
.4	218.4	216.7	215.1	213.4	211.8	210.1	208.5	206.8	205.2	203.5	201.9
.5	225.0	223.3	221.7	220.0	218.3	216.7	215.0	213.3	211.7	210.0	208.3
.6	231.7	230.0	228.3	226.7	225.0	223.3	221.6	219.9	218.2	216.5	214.9
.7	238.5	236.8	235.1	233.4	231.7	230.0	228.3	226.6	224.9	223.2	221.5
.8	245.3	243.6	241.9	240.2	238.4	236.7	235.0	233.3	231.6	229.8	228.1
.9	252.3	250.5	248.8	247.0	245.3	243.6	241.8	240.1	238.3	236.6	234.9
5.0	259.3	257.5	255.7	254.0	252.2	250.5	248.7	247.0	245.2	243.4	241.7
.1	266.3	264.6	262.8	261.0	258.2	256.5	254.7	252.9	251.1	249.3	248.6
.2	173.5	271.7	269.9	268.1	266.3	264.5	262.7	260.9	259.1	257.3	255.5
.3	280.7	278.9	277.1	275.3	273.5	271.6	269.8	268.0	266.2	264.4	262.6
.4	288.0	286.2	284.3	282.5	280.7	278.8	277.0	275.2	273.3	271.5	269.7
.5	295.4	293.5	291.7	289.8	288.0	286.1	284.3	282.4	280.6	278.7	276.9
.6	302.8	300.9	299.1	297.2	295.3	293.5	291.6	289.7	287.9	286.0	284.1
.7	310.3	308.5	306.6	304.7	302.8	300.9	299.1	297.1	295.2	293.3	291.5
.8	317.9	316.0	314.1	312.2	310.3	308.4	306.5	304.6	302.7	300.8	298.9
.9	325.6	323.7	321.7	319.8	317.9	317.0	314.0	312.1	310.2	308.3	306.3
6.0	333.3	331.4	329.5	327.5	325.6	323.6	321.7	319.7	317.8	315.8	313.9
.1	341.2	339.2	337.2	335.3	333.3	331.3	329.4	327.4	325.5	323.5	321.5
.2	349.0	347.1	345.1	343.1	341.1	339.1	337.2	335.2	333.2	331.2	329.2
.3	357.0	355.0	353.0	351.0	349.0	347.0	345.0	343.0	341.0	339.0	337.0
.4	365.0	363.0	361.0	359.0	357.0	355.0	352.9	350.9	348.9	346.9	344.9
.5	373.2	371.1	369.1	367.0	365.0	363.0	360.9	358.9	356.9	354.8	352.8
.6	381.3	379.3	377.2	375.2	373.1	371.1	369.0	367.0	364.9	362.8	360.8
.7	389.6	387.6	385.5	383.4	381.3	379.3	377.2	375.1	373.0	371.0	368.9
.8	397.9	395.8	393.8	391.7	389.6	387.5	385.4	383.3	381.2	379.1	377.0
.9	406.3	404.2	402.1	400.0	397.9	395.8	393.7	391.6	389.5	387.3	385.2
7.0	414.8	412.7	410.6	408.4	406.3	404.2	402.0	399.9	397.8	395.7	393.5
.1	423.4	421.2	419.1	416.9	414.8	412.6	410.5	408.3	406.2	404.1	401.9
.2	432.0	429.8	427.7	425.5	423.3	421.2	419.0	416.8	414.7	412.5	410.3
.3	440.7	438.5	436.3	434.2	432.0	429.8	427.6	425.4	423.2	421.1	418.9
.4	449.5	447.3	445.1	442.9	440.7	438.5	436.3	434.1	431.9	429.7	427.5
.5	458.3	456.1	453.9	451.7	449.5	447.2	445.0	442.8	440.6	438.3	436.1
.6	467.3	465.0	462.8	460.5	458.3	456.1	453.8	451.6	449.3	447.1	444.9
.7	476.1	473.9	471.6	469.3	467.1	464.8	462.6	460.9	458.1	455.8	453.8
.8	485.3	483.1	480.8	478.5	476.2	474.0	471.7	469.4	467.1	464.8	462.6
.9	494.5	492.2	489.9	487.6	485.5	483.0	480.7	478.4	476.1	474.8	471.5

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
4.0	192.6	194.2	195.7	197.3	198.9	200.5	202.0	203.6	205.2	206.8	208.3
.1	198.9	200.5	202.1	203.7	205.3	206.9	208.5	210.1	211.7	213.3	214.9
.2	205.3	206.9	208.6	210.2	211.8	213.4	215.0	216.6	218.2	219.8	221.4
.3	211.8	213.4	215.1	216.7	218.3	220.0	221.6	223.2	224.8	226.5	228.1
.4	218.4	220.0	221.7	223.3	225.0	226.6	228.3	229.9	231.6	233.2	234.9
.5	225.0	226.7	228.3	230.0	231.7	233.3	235.0	236.7	238.3	240.0	241.7
.6	231.7	233.4	235.1	236.8	238.4	240.1	241.8	243.5	245.2	246.9	248.6
.7	238.5	240.2	241.9	243.6	245.3	247.0	248.7	250.4	252.1	253.8	255.5
.8	245.3	247.1	248.8	250.5	252.2	253.9	255.7	257.4	259.1	260.8	262.6
.9	252.3	254.0	255.7	257.5	259.2	261.0	262.7	264.4	266.2	267.9	269.7
5.0	259.3	261.0	262.8	264.5	266.3	268.1	269.8	271.6	273.3	275.1	276.9
.1	266.3	268.1	270.9	272.7	275.4	275.2	277.0	278.8	280.6	282.3	284.1
.2	273.5	275.3	277.1	278.9	280.7	282.5	284.3	286.1	287.9	289.7	291.4
.3	280.7	282.5	284.3	286.2	288.0	289.8	291.6	293.4	295.2	297.0	298.8
.4	288.0	289.8	291.7	293.5	295.3	297.2	299.0	300.8	302.7	304.5	306.3
.5	295.4	297.2	299.1	300.9	302.8	304.6	306.6	308.3	310.2	312.0	313.9
.6	302.8	304.7	306.6	308.4	310.3	312.2	314.0	315.9	317.8	319.7	321.5
.7	310.3	312.2	314.1	316.1	317.9	319.8	321.7	323.6	325.4	327.3	329.2
.8	317.9	319.8	321.7	323.7	325.6	327.5	329.4	331.3	333.2	335.1	337.0
.9	325.6	327.5	329.4	331.4	333.3	335.2	337.1	339.1	341.0	342.9	344.8
6.0	333.3	335.3	337.2	329.2	341.1	343.1	345.0	346.9	348.9	350.8	352.8
.1	341.2	343.1	345.1	347.0	349.0	351.0	352.9	354.9	356.8	358.8	360.8
.2	349.0	351.0	353.0	355.0	357.0	359.0	360.9	362.9	364.9	366.9	368.9
.3	357.0	359.0	361.0	363.0	365.0	367.0	369.0	371.0	373.0	375.0	377.0
.4	365.0	367.1	369.1	371.1	373.1	375.1	377.2	379.2	381.2	383.2	385.2
.5	373.2	375.2	377.2	379.3	381.3	383.3	385.4	387.4	389.4	391.5	393.5
.6	381.3	383.4	385.4	387.5	389.6	391.6	393.7	395.7	397.8	399.8	401.9
.7	389.6	391.7	393.8	395.8	397.9	400.0	402.1	404.1	406.2	408.3	410.4
.8	397.9	400.0	402.1	404.2	406.3	408.4	410.5	412.6	414.7	416.8	418.9
.9	406.3	408.4	410.6	412.7	414.8	416.9	419.0	421.1	423.2	425.3	427.4
7.0	414.8	416.9	419.1	421.2	423.3	425.5	427.6	429.7	431.8	434.0	436.1
.1	423.4	425.5	427.6	429.8	432.0	434.1	436.3	438.4	440.6	442.7	444.8
.2	432.0	434.2	436.3	438.5	440.7	442.8	445.0	447.2	449.3	451.5	453.7
.3	440.7	442.9	445.1	447.3	449.4	451.6	453.8	456.0	458.2	460.4	462.5
.4	449.5	451.7	453.9	456.1	458.3	460.5	462.7	464.9	467.1	469.3	471.5
.5	458.3	460.6	462.8	465.0	467.2	469.4	471.7	473.9	476.1	478.3	480.5
.6	467.3	469.5	471.7	474.0	476.2	478.5	480.7	482.9	485.2	487.4	489.7
.7	476.1	478.4	480.6	482.9	485.1	487.4	489.7	491.9	494.2	496.4	498.7
.8	485.3	487.6	489.9	492.2	494.4	496.7	499.0	501.3	503.6	505.8	508.1
.9	494.5	496.8	499.1	501.4	503.7	506.0	508.3	510.6	512.8	515.1	517.4

BASE 20 FEET

Side Slopes 2 : 1

— +

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	3.74	2.80	1.8[illegible]								
.2	7.56	6.58	5.63	4.67	3.61						
.3	11.44	10.46	9.48	8.49	7.51	6.53	5.55				
.4	15.40	14.40	13.40	12.40	11.40	10.40	9.39	8.39	7.39		
.5	19.44	18.42	17.40	16.38	15.36	14.34	13.32	12.30	11.28	10.26	9.24
.6	23.56	22.52	21.48	20.44	19.40	18.37	17.33	16.29	15.25	14.21	13.17
.7	27.74	26.68	25.62	24.57	23.51	22.45	21.39	20.33	19.28	18.22	17.16
.8	32.00	30.92	29.85	28.77	27.69	26.62	25.54	24.46	23.38	22.31	21.23
.9	36.34	35.24	34.15	33.05	31.96	30.86	29.76	28.67	27.57	26.48	25.38
1.0	40.74	39.63	38.51	37.40	36.28	35.17	34.06	32.94	31.83	30.71	29.60
.1	45.23	44.10	42.97	41.83	40.70	39.57	38.44	37.31	36.17	35.04	33.91
.2	49.78	48.63	47.48	46.33	45.18	44.03	42.88	41.73	40.58	39.43	38.28
.3	54.41	53.24	52.07	50.91	49.74	48.57	47.40	46.23	45.07	43.90	42.73
.4	59.11	57.93	56.74	55.56	54.37	53.19	52.01	50.82	49.64	48.45	47.27
.5	63.70	62.50	61.30	60.09	58.89	57.69	56.49	55.29	54.08	52.88	51.68
.6	68.85	67.63	66.41	65.19	63.97	62.75	61.53	60.31	59.09	57.87	56.65
.7	73.67	72.43	71.19	69.96	68.72	67.48	66.24	65.00	63.77	62.53	61.29
.8	78.67	77.41	76.16	74.90	73.65	72.39	71.13	69.88	68.62	67.37	66.11
.9	83.74	82.47	81.19	79.92	78.64	77.37	76.10	74.82	73.55	72.27	71.00
2.0	88.89	87.60	86.30	85.01	83.72	82.43	81.13	79.84	78.55	77.25	75.96
.1	94.11	92.80	91.49	90.17	88.86	87.55	86.24	84.93	83.61	82.30	80.99
.2	99.41	98.08	96.75	95.42	94.09	92.76	91.42	90.09	88.76	87.43	86.10
.3	104.8	103.4	102.1	100.7	99.38	98.03	96.68	95.33	93.98	92.63	91.28
.4	110.2	108.9	107.5	106.1	104.7	103.4	102.0	100.7	99.28	97.91	96.54
.5	115.7	114.4	113.0	111.6	110.2	108.8	107.4	106.0	104.6	103.3	101.9
.6	121.3	119.9	118.5	117.1	115.7	114.3	112.9	111.5	110.1	108.7	107.3
.7	127.0	125.6	124.2	122.7	121.3	119.9	118.4	117.0	115.6	114.2	112.7
.8	132.7	131.4	129.9	128.5	127.0	125.6	124.1	122.7	121.2	119.8	118.3
.9	138.6	137.1	135.6	134.1	132.7	131.2	129.8	128.3	126.8	125.4	123.9
3.0	144.4	142.9	141.5	140.0	138.5	137.0	135.5	134.1	132.6	131.1	129.6
.1	150.4	148.9	147.4	145.9	144.4	142.9	141.4	139.9	138.4	136.9	135.4
.2	156.3	154.8	153.3	151.8	150.2	148.7	147.2	145.7	144.2	142.6	141.1
.3	162.6	161.1	159.5	158.0	156.4	154.9	153.3	151.8	150.3	148.7	147.2
.4	168.7	167.2	165.6	164.1	162.5	161.0	159.6	157.8	156.3	154.7	153.2
.5	175.0	173.4	171.8	170.3	168.7	167.1	165.6	164.0	162.4	160.8	159.3
.6	181.3	179.7	178.1	176.6	174.9	173.3	171.7	170.2	168.6	167.0	165.4
.7	187.7	186.1	184.5	182.9	181.3	179.7	178.1	176.5	174.9	173.2	171.6
.8	194.2	192.6	191.0	189.3	187.7	186.1	184.4	182.8	181.2	179.6	177.9
.9	200.8	199.2	197.5	195.9	194.2	192.6	190.9	189.2	187.6	186.0	184.3

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
.1	3.74	4.68	5.63	6.57	7.52	8.46	9.40	10.35	11.29	12.24	13.18
.2	7.56	8.52	9.49	10.45	11.41	12.38	13.34	14.30	15.26	16.23	17.19
.3	11.44	12.42	13.40	14.39	15.37	16.35	17.33	18.31	19.30	20.28	21.26
.4	15.40	16.40	17.40	18.40	19.40	20.41	21.41	22.41	23.41	24.41	25.41
.5	19.44	20.46	21.48	22.50	23.52	24.54	25.56	26.58	27.60	28.62	29.64
.6	23.56	24.60	25.64	26.67	27.71	28.75	29.78	30.82	31.86	32.90	33.94
.7	27.74	28.80	29.86	30.91	31.97	33.03	34.09	35.15	36.20	37.25	38.32
.8	32.00	33.08	34.15	35.23	36.31	37.39	38.46	39.54	40.62	41.69	42.77
.9	36.34	37.44	38.53	39.63	40.72	41.82	42.92	43.01	44.11	45.20	46.30
1.0	40.74	41.85	42.97	44.08	45.20	46.31	47.42	48.54	49.65	50.77	51.88
.1	45.23	46.36	47.49	48.63	49.76	50.89	52.02	53.15	54.29	55.42	56.55
.2	49.78	50.93	52.08	53.23	54.38	55.53	56.68	57.83	58.98	60.13	61.28
.3	54.41	55.58	56.75	57.91	59.08	60.25	61.42	62.59	63.75	64.92	66.09
.4	59.11	60.29	61.48	62.66	63.85	65.03	66.21	67.40	68.58	69.77	70.95
.5	63.70	64.90	66.10	67.31	68.51	69.71	70.91	72.11	73.32	74.52	75.72
.6	68.85	70.07	71.29	72.51	73.73	74.95	76.17	77.39	78.61	79.83	81.05
.7	73.67	74.91	76.15	77.38	78.62	79.86	81.10	82.34	83.57	84.81	86.05
.8	78.67	79.93	81.18	82.44	83.69	84.95	86.21	87.46	88.72	89.97	91.23
.9	83.74	85.01	86.29	87.56	88.84	90.11	91.38	92.66	93.93	95.21	96.45
.0	88.89	90.18	91.48	92.77	94.06	95.36	96.65	97.94	99.23	100.5	101.8
.1	94.11	95.42	96.73	98.05	99.36	100.7	102.0	103.3	104.6	105.9	107.2
.2	99.41	100.7	102.1	103.4	104.7	106.1	107.4	108.7	110.1	111.4	112.7
.3	104.8	106.1	107.5	108.8	110.2	111.5	112.9	114.2	115.6	116.9	118.3
.4	110.2	111.6	113.0	114.3	115.7	117.1	118.4	119.8	121.2	122.6	123.9
.5	115.7	117.1	118.5	119.9	121.3	122.7	124.1	125.5	126.8	128.2	129.6
.6	121.3	122.8	124.2	125.6	127.0	128.4	129.8	131.2	132.6	134.0	135.4
.7	127.0	128.4	129.9	131.3	132.7	134.1	135.6	137.0	138.4	139.8	141.3
.8	132.7	134.2	135.7	137.1	138.6	140.0	141.4	142.9	144.3	145.8	147.2
.9	138.6	140.0	141.4	142.9	144.4	145.8	147.3	148.7	150.2	151.7	153.1
3.0	144.4	145.9	147.4	148.9	150.3	151.8	153.3	154.8	156.3	157.7	159.2
.1	150.4	151.9	153.4	154.9	156.4	157.9	159.4	160.9	162.4	163.9	165.4
.2	156.3	157.8	159.4	160.9	162.4	163.9	165.4	167.0	168.5	170.0	171.5
.3	162.6	164.1	165.7	167.2	168.8	170.3	171.8	173.4	174.9	176.5	178.0
.4	168.7	170.3	171.8	173.4	175.0	176.5	178.1	179.6	181.8	182.7	184.3
.5	175.0	176.6	178.1	179.7	181.3	182.9	184.4	186.0	187.6	189.2	190.7
.6	181.3	182.9	184.5	186.1	187.6	189.2	190.8	192.4	194.0	195.6	197.2
.7	187.7	189.3	191.0	192.6	194.2	195.8	197.4	199.0	200.6	202.2	203.8
.8	194.2	195.8	197.5	199.1	200.7	202.4	204.0	205.6	207.3	208.9	210.5
.9	200.8	202.5	204.1	205.7	207.4	209.1	210.7	212.4	214.0	215.7	217.3

BASE 20 FEET

Side Slopes 2 : 1

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
4.0	207.4	205.8	204.1	202.4	200.8	199.1	197.4	195.8	194.1	192.4	190.7
.1	214.1	212.4	210.7	209.0	207.3	205.7	204.0	202.3	200.6	198.9	197.3
.2	220.9	219.2	217.4	215.7	214.1	212.4	210.7	208.9	207.3	205.6	203.8
.3	227.7	226.0	224.3	222.6	220.8	219.2	217.4	215.7	213.9	212.2	210.5
.4	234.7	232.9	231.2	229.4	227.7	225.9	224.2	222.5	220.7	219.0	217.3
.5	241.7	239.9	238.1	236.4	234.6	232.9	231.1	229.4	227.6	225.8	224.1
.6	248.8	246.9	245.2	243.4	241.6	239.9	238.1	236.3	234.5	232.7	231.0
.7	255.9	254.1	252.3	250.5	248.7	246.9	245.1	243.3	241.5	239.7	238.0
.8	263.1	261.3	259.5	257.7	255.8	254.0	252.2	250.4	248.6	246.8	245.0
.9	270.4	268.6	266.7	264.9	263.1	261.3	259.4	257.6	255.8	253.9	252.1
5.0	277.8	275.9	274.1	272.2	270.4	268.5	266.7	264.8	263.0	261.1	259.3
.1	285.3	283.4	281.5	279.6	277.8	275.9	274.0	272.2	270.3	268.4	266.6
.2	292.7	290.9	289.0	287.1	285.2	283.3	281.4	279.5	277.7	275.6	273.9
.3	300.4	298.5	296.6	294.7	292.7	290.8	288.9	287.0	285.1	283.2	281.3
.4	308.0	306.0	304.1	302.2	300.3	298.4	296.4	294.5	292.6	290.7	288.8
.5	315.7	313.8	311.9	309.9	308.0	306.0	304.1	302.2	300.2	298.3	296.3
.6	323.5	321.6	319.6	317.7	315.7	313.7	311.8	309.8	307.9	305.9	303.9
.7	331.4	329.4	327.4	325.4	323.4	321.4	319.4	317.4	315.4	313.4	311.4
.8	339.4	337.4	335.4	333.4	331.4	329.4	327.4	325.4	323.4	321.4	319.4
.9	346.5	344.5	342.5	340.4	338.4	336.4	334.4	332.4	330.3	328.3	326.3
6.0	355.6	353.6	351.5	349.5	347.5	345.4	343.4	341.3	339.3	337.3	335.2
.1	363.7	361.7	359.6	357.6	355.5	353.5	351.4	349.4	347.3	345.3	343.2
.2	372.0	369.9	367.8	365.8	363.7	361.6	359.6	357.5	355.4	353.4	351.3
.3	380.3	378.2	376.1	374.1	372.0	369.9	367.8	365.7	363.6	361.5	359.4
.4	388.8	386.6	384.5	382.4	380.3	378.2	376.1	374.0	371.9	369.8	367.7
.5	397.3	395.2	393.0	390.9	388.7	386.6	384.5	382.4	380.2	378.1	376.0
.6	405.9	403.8	401.6	399.5	397.3	395.2	393.0	390.9	388.7	386.6	384.4
.7	414.4	412.2	410.0	407.9	405.7	403.6	401.4	399.2	397.1	394.9	392.8
.8	423.1	420.9	418.7	416.5	414.4	412.2	410.0	407.8	405.6	403.5	401.3
.9	431.9	429.7	427.5	425.3	423.1	420.9	418.7	416.5	414.3	412.1	409.9
7.0	440.7	438.5	436.3	434.1	431.9	429.6	427.4	425.2	423.0	420.8	418.5
.1	449.7	447.5	445.2	443.0	440.7	438.5	436.3	434.0	431.8	429.5	427.3
.2	458.3	456.1	453.8	451.6	449.3	447.0	444.8	442.5	440.3	438.0	435.7
.3	467.8	465.5	463.2	460.9	458.7	456.4	454.1	451.8	449.6	447.3	445.0
.4	476.9	474.6	472.3	470.0	467.7	465.4	463.1	460.8	458.5	456.2	454.0
.5	486.1	483.8	481.5	479.2	476.8	474.5	472.2	469.9	467.6	465.3	463.0
.6	495.4	493.0	490.7	489.4	486.1	483.7	481.4	479.1	476.8	474.4	472.1
.7	504.8	502.4	500.1	497.7	495.4	493.0	490.7	488.3	486.0	483.6	481.3
.8	514.2	511.9	509.5	507.1	504.8	502.4	500.0	497.6	495.3	492.9	490.5
.9	523.7	521.3	518.9	516.6	514.2	511.8	509.4	507.0	504.6	502.3	499.9

c c	0.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0
4.0	207.4	209.1	210.8	212.5	214.1	215.8	217.5	219.1	220.8	222.5	224.1
.1	214.1	215.7	217.4	219.1	220.8	222.5	224.1	225.8	227.5	229.1	230.9
.2	220.9	222.6	224.3	225.9	227.7	229.4	231.1	232.8	234.5	236.2	237.9
.3	227.7	229.4	231.2	232.9	234.6	236.3	238.0	239.8	241.5	243.2	244.9
.4	234.7	236.4	238.1	239.9	241.6	243.4	245.1	246.8	248.6	250.3	252.1
.5	241.7	243.4	245.2	246.9	248.7	250.5	252.2	254.0	255.8	257.5	259.3
.6	248.8	250.5	252.3	254.1	255.9	257.7	259.4	261.2	263.0	264.8	266.6
.7	255.9	257.6	259.4	261.2	263.0	264.8	266.6	268.4	270.2	272.0	273.8
.8	263.1	264.9	266.7	268.5	270.3	272.1	273.9	275.8	277.6	279.4	281.2
.9	270.4	272.7	274.1	275.9	277.7	279.6	281.4	283.2	285.0	286.9	288.7
5.0	277.8	279.6	281.4	283.3	285.2	287.0	288.9	290.7	292.6	294.4	296.3
.1	285.3	287.1	288.9	290.9	292.7	294.6	296.5	298.3	300.2	302.1	304.0
.2	292.7	294.7	296.6	248.4	300.3	302.2	304.1	306.0	307.9	309.8	311.7
.3	300.4	302.3	304.2	306.1	307.0	309.9	311.8	313.7	315.6	314.5	314.4
.4	308.0	309.9	311.8	313.7	315.6	317.6	319.5	321.4	323.3	325.2	327.2
.5	315.7	317.7	319.6	321.6	323.5	325.4	327.4	329.3	331.3	333.2	335.1
.6	323.5	325.5	327.5	329.4	331.4	333.3	335.3	337.3	339.2	341.2	343.1
.7	331.4	333.4	335.4	337.4	339.4	341.4	343.4	345.4	347.4	349.4	351.4
.8	339.4	341.4	343.4	345.4	347.4	349.4	351.4	353.4	355.4	357.4	359.4
.9	346.5	348.5	350.5	352.6	354.6	356.6	358.6	360.6	362.7	364.7	366.7
6.0	355.6	357.7	359.7	361.7	363.8	365.8	367.8	369.9	371.9	374.0	376.0
.1	363.7	365.8	367.8	369.9	371.9	374.0	376.0	378.1	380.1	382.2	384.2
.2	372.0	374.1	376.1	378.2	380.3	382.3	384.4	386.5	388.5	390.6	392.7
.3	380.3	382.4	384.5	386.6	388.7	390.8	392.9	395.0	397.1	399.2	401.2
.4	388.8	390.9	393.0	395.1	397.2	399.3	401.4	403.5	405.6	407.7	408.8
.5	397.3	399.4	401.5	403.7	405.8	407.9	410.0	412.2	414.3	416.4	418.5
.6	405.9	408.1	410.2	412.4	414.5	416.7	418.8	421.0	423.1	425.3	427.4
.7	414.4	416.5	418.7	420.8	423.0	425.2	427.3	429.5	431.6	433.8	436.0
.8	423.1	425.3	427.4	429.6	431.8	434.0	436.2	438.3	440.5	442.7	444.9
.9	431.9	434.1	436.3	438.5	440.7	442.9	445.1	447.3	449.5	451.7	453.9
7.0	440.7	443.0	445.2	447.4	449.6	451.8	454.1	456.3	458.5	460.7	462.9
.1	449.6	451.9	454.2	456.4	458.7	460.9	463.1	465.4	467.6	469.9	472.1
.2	458.3	460.6	462.9	465.1	467.4	469.6	471.9	474.2	476.4	478.7	480.9
.3	467.8	470.1	472.4	474.6	476.9	479.2	481	483.8	486.0	488.3	490.6
.4	476.9	479.1	481.4	483.7	486.0	488.5	490.6	492.9	495.2	497.5	499.8
.5	486.1	488.4	490.7	493.0	495.3	497.6	500.0	502.3	504.6	506.9	509.2
.6	495.4	497.7	500.1	502.4	504.7	507.0	509.4	511.7	514.0	516.4	518.7
.7	504.8	507.1	509.5	511.8	514.2	516.5	518.9	521.2	523.6	525.9	528.3
.8	514.2	516.6	518.9	521.3	523.7	526.0	528.5	530.8	533.2	535.6	537.9
.9	523.7	526.1	528.5	530.8	533.2	535.6	538.0	540.4	542.7	545.1	547.5

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
00	0.00000	0.18518	0.37037	0.55555	0.74074	0.92592	1.11111	1.29629	1.48148	1.66666	00
1	1.85185	2.03698	2.22222	2.40740	2.59259	2.77777	2.96296	3.14814	3.33333	3.51851	1
2	3.70370	3.88888	4.07407	4.25925	4.44444	4.62962	4.81481	5.00000	5.18518	5.37037	2
3	5.55555	5.74073	5.92592	6.11111	6.29629	6.48147	6.66666	6.85184	7.03703	7.22222	3
4	7.40740	7.59258	7.77777	7.96295	8.14814	8.33333	8.51851	8.70369	8.88888	9.07406	4
5	9.25925	9.44444	9.62962	9.81480	9.99999	10.18517	10.37036	10.55555	10.74074	10.92592	5
6	11.11111	11.29628	11.48147	11.66666	11.85185	12.03703	12.22222	12.40740	12.59260	12.77777	6
7	12.96296	13.14814	13.33333	13.51851	13.70370	13.88888	14.07406	14.25925	14.44444	14.62962	7
8	14.81481	14.99999	15.18517	15.37037	15.55555	15.74074	15.92592	16.11111	16.29628	16.48148	8
9	16.66666	16.85185	17.03702	17.22222	17.40739	17.59259	17.77777	17.96296	18.14813	18.33333	9
10	18.51852	18.70370	18.88888	19.07407	19.25925	19.44444	19.62961	19.81481	20.00000	20.18520	10
11	20.37035	20.55555	20.74072	20.92592	21.11111	21.29629	21.48148	21.66666	21.85183	22.03704	11
12	22.22222	22.40740	22.59257	22.77777	22.96296	23.14815	23.33333	23.51852	23.70370	23.88888	12
13	24.07407	24.25925	24.44444	24.62963	24.81479	24.99999	25.18518	25.37037	25.55555	25.74074	13
14	25.92593	26.11111	26.29627	26.48150	26.66666	26.85185	27.03704	27.22222	27.40738	27.59259	14
15	27.77777	27.96296	28.14814	28.33333	28.51852	28.70360	28.88888	29.07407	29.25926	29.44444	15
16	29.62963	29.81481	29.99999	30.18520	30.37034	30.55555	30.74074	30.92592	31.11111	31.29629	16
17	31.48148	31.66666	31.85185	32.03704	32.22222	32.40731	32.59259	32.77777	32.96293	33.14815	17
18	33.33333	33.51852	33.70367	33.88888	34.07407	34.25926	34.44444	34.62962	34.81478	34.99999	18
19	35.18518	35.37037	35.55555	35.74074	35.92592	36.11111	36.29629	36.48148	36.66666	36.85185	19
20	37.03704	37.22222	37.40737	37.59259	37.77777	37.96296	38.14814	38.33333	38.51852	38.70360	20
21	38.88888	39.07407	39.25925	39.44444	39.62962	39.81470	39.99999	40.18518	40.37037	40.55555	21
22	40.74074	40.92592	41.11111	41.29629	41.48148	41.66666	41.85185	42.03704	42.22222	42.40741	22
23	42.59259	42.77777	42.96296	43.14815	43.33333	43.51852	43.70370	43.88888	44.07407	44.25926	23
24	44.44444	44.62962	44.81481	44.99999	45.18518	45.37037	45.55555	45.74074	45.92580	46.11111	24
25	46.29629	46.48148	46.66666	46.85185	47.03690	47.22222	47.40741	47.59259	47.77777	47.96296	25
26	48.14815	48.33333	48.51852	48.70370	48.88888	49.07407	49.25925	49.44444	49.62962	49.81481	26
27	50.00000	50.18518	50.37037	50.55555	50.74074	50.92592	51.11111	51.29629	51.40741	51.66666	27
28	51.85185	52.03704	52.22222	52.40741	52.59259	52.77777	52.96296	53.14815	53.33333	53.51852	28
29	53.70370	53.88888	54.07407	54.25926	54.44444	54.62962	54.81481	54.99999	55.18518	55.37037	29

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
30	55.55555	55.74074	55.92592	56.11111	56.29629	56.48148	56.66666	56.85185	57.03704	57.22222	30
31	57.40740	57.59259	57.77777	57.96296	58.14815	58.33333	58.51852	58.70370	58.88888	59.07407	31
32	59.25926	59.44444	59.62963	59.81481	59.99999	60.18518	60.37037	60.55555	60.74074	60.92592	32
33	61.11111	61.29629	61.48148	61.66666	61.85185	62.03704	62.22222	62.40741	62.59259	62.77777	33
34	62.96296	63.14815	63.33333	63.51852	63.70370	63.88888	64.07407	64.25926	64.44444	64.62963	34
35	64.81481	64.99999	65.18518	65.37037	65.55555	65.74074	65.92592	66.11111	66.29629	66.48148	35
36	66.66666	66.85185	67.03704	67.22222	67.40741	67.59259	67.77777	67.96296	68.14815	68.33333	36
37	68.51852	68.70370	68.88888	69.07407	69.25926	69.44444	69.62962	69.81481	69.99999	70.18518	37
38	70.37037	70.55555	70.74074	70.92592	71.11111	71.29630	71.48148	71.66666	71.85185	72.03704	38
39	72.22222	72.40741	72.59259	72.77777	72.96296	73.14815	73.33333	73.51852	73.70370	73.88888	39
40	74.07407	74.25926	74.44444	74.62962	74.81481	74.99999	75.18518	75.37037	75.55555	75.74074	40
41	75.92592	76.11111	76.29629	76.48148	76.66666	76.85185	77.03704	77.22222	77.40741	77.59259	41
42	77.77777	77.96196	78.14815	78.33333	78.51852	78.70370	78.88888	79.07407	79.25926	79.44444	42
43	79.62963	79.81481	79.99999	80.18518	80.37037	80.55555	80.74074	80.92592	81.11111	81.29629	43
44	81.48148	81.66666	81.85185	82.03704	82.22222	82.40741	82.59259	82.77777	82.96296	83.14815	44
45	83.33333	83.51852	83.70370	83.88888	84.07407	84.25926	84.44444	84.62963	84.81481	84.99999	45
46	85.18518	85.37037	85.55555	85.74074	85.92592	86.11111	86.29629	86.48148	86.66666	86.85185	46
47	87.03704	87.22222	87.40741	87.59259	87.77777	87.96296	88.14815	88.33333	88.51852	88.70370	47
48	88.88888	89.07407	89.25926	89.44444	89.62963	89.81481	89.99999	90.18518	90.37037	90.55555	48
49	90.74074	90.92592	91.11111	91.29629	91.48148	91.66666	91.85185	92.03704	92.22222	92.40740	49
50	92.5925	92.7777	92.9629	93.1481	93.3333	93.5185	93.7037	93.8888	94.0740	94.2591	50
51	94.4444	94.6296	94.8148	95.0000	95.1852	95.3704	95.5555	95.7407	95.9259	96.1111	51
52	96.2963	96.4815	96.6666	96.8518	97.0370	97.2222	97.4074	97.5926	97.7777	97.9629	52
53	98.1481	98.3333	98.5185	98.7037	98.8888	99.0740	99.2592	99.4444	99.6295	99.8148	53
54	100.0000	100.1851	100.3704	100.5555	100.7407	100.9259	101.1111	101.2953	101.4815	101.6666	54
55	101.8518	102.0370	102.2222	102.4074	102.5926	102.7777	102.9629	103.1481	103.3333	103.5185	55
56	103.7037	103.8888	104.0740	104.2592	104.4444	104.6296	104.8148	105.0000	105.1852	105.3704	56
57	105.5555	105.7407	105.9259	106.1111	108.2963	106.4814	106.6666	106.8518	107.0370	107.2222	57
58	107.4074	107.5926	107.7777	107.9629	108.1481	108.3333	108.5185	108.7037	108.8888	109.0740	58
59	109.2592	109.4444	109.6296	109.8148	110.0000	110.1851	110.3704	110.5555	110.7407	110.9259	59

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
60	111.1111	111.2963	111.4815	111.6666	111.8518	112.0370	112.2222	112.4074	112.5926	112.7777	60
61	112.9629	113.1481	113.3333	113.5185	113.7037	113.8888	114.0740	114.2592	114.4444	114.6296	61
62	114.8148	115.0000	115.1852	115.3703	115.5555	115.7407	115.9259	116.1111	116.2963	116.5185	62
63	116.6666	116.8518	117.0370	117.2222	117.4074	117.5925	117.7777	117.9518	118.1481	118.3333	63
64	118.5185	118.7037	118.8888	119.0740	119.2592	119.4444	119.6296	119.8148	120.0000	120.1852	64
65	120.3704	120.5555	120.7407	120.9259	121.1111	121.2952	121.4814	121.6666	121.8518	122.0370	65
66	122.2222	122.4074	122.5926	122.6666	122.9629	123.1481	123.3333	123.5185	123.7037	123.8888	66
67	124.0740	124.2592	124.4444	124.6296	124.8148	125.0000	125.1852	125.3704	125.5555	125.7407	67
68	125.9259	126.1111	126.2963	126.4814	126.6666	126.8518	127.0370	127.2222	127.4074	127.5925	68
69	127.7777	127.9629	128.1481	128.3333	128.5185	128.7037	128.8888	129.0741	129.2592	129.4444	69
70	129.6296	129.8148	130.0000	130.1852	130.3704	130.5555	130.7407	130.9259	131.1111	131.2962	70
71	131.4815	131.6666	131.8518	132.0370	132.2222	132.4074	132.5926	132.7777	132.9629	133.1481	71
72	133.3333	133.5185	133.7037	133.8888	134.0741	134.2592	134.4444	134.6296	134.8148	135.0000	72
73	135.1852	135.3704	135.5555	135.7407	135.9259	136.1111	136.2962	136.4814	136.6666	136.8518	73
74	137.0370	137.2222	137.4074	137.5925	137.7777	137.9629	138.1481	138.3333	138.5184	138.7037	74
75	138.8888	139.0741	139.2592	139.4444	139.6296	139.8148	140.0000	140.1851	140.3703	140.5555	75
76	140.7407	140.9259	141.1111	141.2962	141.4815	141.6666	141.8518	142.0370	142.2222	142.4074	76
77	142.5926	142.7777	142.9629	143.1481	143.3333	143.5185	143.7037	143.8888	144.0741	144.2592	77
78	144.4444	144.6296	144.8148	145.0000	145.1852	145.3704	145.5555	145.7407	145.9259	146.1111	78
79	146.2962	146.4814	146.6666	146.8518	147.0370	147.2222	147.4074	147.5925	147.7777	147.9629	79
80	148.1481	148.3333	148.5185	148.7037	148.8888	149.0741	149.2592	149.4444	149.6295	149.8148	80
81	150.0000	150.1851	150.3704	150.5555	150.7407	150.9259	151.1111	151.2962	151.4815	151.6666	81
82	151.8518	152.0370	152.2222	152.4074	152.5926	152.7777	152.9629	153.1481	153.3333	153.5185	82
83	153.7037	153.8888	154.0740	154.2592	154.4444	154.6296	154.8148	155.0000	155.1852	155.3703	83
84	155.5555	155.7407	155.9259	156.1111	156.2963	156.4814	156.6666	156.8518	157.0370	157.2222	84
85	157.4074	157.5925	157.7777	157.9629	158.1481	158.3333	158.5185	158.7037	158.8888	159.0741	85
86	159.2592	159.4444	159.6296	159.8148	160.0000	160.1852	160.3704	160.5555	160.7407	160.9259	86
87	161.1111	161.2962	161.4815	161.6666	161.8518	162.0370	162.2222	162.4074	162.5926	162.7777	87
88	162.9629	163.1481	163.3333	163.5185	163.7037	163.8888	164.0740	164.2592	164.4444	164.6296	88
89	164.8148	165.0000	165.1852	165.3704	165.5555	165.7407	165.9259	166.1111	166.2963	166.4815	89
90	166.6666	166.8518	167.0370	167.2222	167.4074	167.5925	167.7777	167.9629	168.1481	168.3333	90
91	168.5185	168.7037	168.8888	169.0741	169.2592	169.4444	169.6296	169.8148	170.0000	170.1852	91
92	170.3704	170.5555	170.7407	170.9259	171.1111	171.2963	171.4814	171.6666	171.8518	172.0370	92
93	172.2222	172.4074	172.5926	172.7777	172.9629	173.1481	173.3333	173.5185	173.7037	173.8888	93
94	174.0740	174.2592	174.4444	174.6296	174.8148	175.0000	175.1852	175.3704	175.5555	175.7407	94
95	175.9259	176.1111	176.2963	176.4815	176.6666	176.8518	177.0370	177.2222	177.4074	177.5926	95
96	177.7777	177.9629	178.1481	178.3333	178.5185	178.7037	178.8888	179.0741	179.2592	179.4444	96
97	179.6296	179.8148	180.0000	180.1852	180.3704	180.5555	180.7407	180.9259	181.1111	181.2692	97
98	181.4815	181.6666	181.8518	182.0370	182.2222	182.4074	182.5926	182.7777	182.9629	183.1481	98
99	183.3333	183.5185	183.7037	183.8888	184.0741	184.2592	184.4444	184.6296	184.8148	185.0000	99
100	185.1852	185.3704	185.5555	185.7407	185.9259	186.1111	186.2962	186.4814	186.6666	186.8518	100

3 0112 077837554